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<222> (1747)

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<222> (1800)

<223> n equals a,t,g, or c

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1802

<210> 78

<211> 995

<212> DNA

<213> Homo sapiens

<400> 78

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<212> DNA

<213> Homo sapiens

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<210> 80

<211> 2660

<212> DNA

<213> Homo sapiens

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<211> 1790

<212> DNA

<213> Homo sapiens

<400> 81

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<211> 1350

<212> DNA

<213> Homo sapiens

<400> 82

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<212> DNA

<213> Homo sapiens

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<211> 1491

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (711)
<223> n equals a,t,g, or c

<400> 84

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<210> 85
<211> 968
<212> DNA
<213> Homo sapiens

<400> 85

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ctacactata tgttgtctgg agtgttgaac aaattttatt tagttttctaa gttgtaattc 780
atcctcatat ggtctatagc attttgaatg tgtgccacta catactgaga tgataatgct 840
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gtacaatttt aagtggtagc agtttctgta tgcagtaggc tgaaatattt tgatgaactg 900
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taatataa 968

<210> 86

<211> 3068

<212> DNA

<213> Homo sapiens

<400> 86

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gtctgaaaat tccagtgaca gtgattcatc ttgtgggttg actgtcatca gtcagagggg 180
gtcagatata gaaatgttga attctgtgac cccactgac agctgtgagc ccgccccaga 240
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ccaaaatggc acagtgttta tggaagaaac tgcttatcca gctttggagg aaaccagctc 360
aacaattgag gcagaggaac aaaagatacc cgaagacagt atctatattg gaactgccag 420
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agttgtcatt gttgaagaag cacagagttc agaagacttt aacatgggct cttcctctag 540
cagccagtat actttctgtc agccagaaac tgtattttca tctcagccta gtgacgatga 600
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aattttttatc ttaaaaatca gttaagaata tataaaatcc tactttggcc aagtttggtt 2640
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<210> 87

<211> 2230

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2227)

<223> n equals a,t,g, or c

<400> 87

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ttaagcggga gtgcacacga tctccttctt tgggggcttg gcaactgaac aggggggtcaa 240
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gtggtttgat ttaagaaaaa tcaatgaaat tgtttactac tgttttaaaa taaaaccgta 2160
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cgcacncat 2230
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<210> 88

<211> 1163

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (159)

<223> n equals a,t,g, or c

<400> 88

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gtggtggcgg gaaagggcaa gggccgtgcg agggctcgna gaaggaagag agccggagaa 180
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ctgacscag ggcgcctgt ccgcgtttgt ttggccggtt ttgcggaggt ttctatgcgg 1140
caatgctgaa ttatccgtta gat 1163
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<210> 89

<211> 1939

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1609)

<223> n equals a,t,g, or c

<400> 89

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gctgtgctgt ttgtatttgt tcccttgggt ttttttttcc tgccctaattt ctgtgatttc 1860
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ccgctctaga ggatccctc 1939
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<210> 90

<211> 2032

<212> DNA

<213> Homo sapiens

<400> 90

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ccaccacttc tgccttagat aatatgatta taaggaaatc aaataaatgt tgccttaact 1980
tcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagggggagg gg 2032
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<210> 91

<211> 1788

<212> DNA

<213> Homo sapiens

<400> 91

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<210> 92

<211> 495

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 92

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tcccagggtg agctggtgca gtctggggct gaggtgaaga agcctgggtc ctcggtgaag 180
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tacatggagc tgagcagcct gagatctgag gacacggcca tntattactg tgcgaraagk 420
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cacggtcacc gtctc

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495

<210> 93

<211> 1377

<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1376)
<223> n equals a,t,g, or c

<400> 93
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<210> 94
<211> 2819
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2816)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2817)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2818)

<223> n equals a,t,g, or c

<400> 94

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<210> 95

<211> 705

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (682)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (684)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (687)

<223> n equals a,t,g, or c

<400> 95

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<210> 96

<211> 3472

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3457)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (3466)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3470)

<223> n equals a,t,g, or c

<400> 96

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<210> 97
<211> 1216
<212> DNA
<213> Homo sapiens

<400> 97
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<210> 98
<211> 1186
<212> DNA
<213> Homo sapiens

<400> 98
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catctactgt gcaaagatca tgattaactg tcaagacact ggtagaacag aacaagcaaa 1080
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aaaggcctag accagcctgg gcaacagaga ccatgcttaa aaaaaa 1186

<210> 99

<211> 1120

<212> DNA

<213> Homo sapiens

<400> 99

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aggagtcaaa cttgcgggaa ttttgcagtt tatctgcagg gctgttggtt ccagcaagac 180
ccaaagctag aaaaggagga ggaagaaact gacccgatca gtgccagaag tcattgtatt 240
caaagaagaa taagcaagaa agaaaagaag gaaggaagag aggtagacag atacaagatg 300
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gagccaaagc ctgaggaaaa gccagaagag gaggagaagc tagaggagga ggccaaagca 420
aaaggaactt ttagagaaaag gctgattcaa tctctccagg agtttaaaga agatatacac 480
aacaggcatt taagcaatga agatatgttt agagaagtgg atgaaataga tgagataagg 540
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tctcgggtgtt gggattatga atgatttttc tccttttgct tgtttggtatt ttctatatctc 1020
ctaaaattaa cacacattat tattgctaga ataataaaag ttttataaaa aagaagcaaa 1080
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agggggggga 1120

<210> 100

<211> 1225

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (286)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1225)
<223> n equals a,t,g, or c

<400> 100
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cacacctggc tgattttttt tatgttttag tagagacagg gtttcaacca tgttgcccag 180
gttggctctca aactcctgag ctcaggcaat ccacccgct tggcctccca aagtgctagg 240
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ctatttaaga tactaggatg gattgtgact gttgaggagt acttacatat cctacatttg 600
actacattat ttccaaacca agtattccat ccaaaggaac atactgctat catagagacc 660
aaggaggggac tgtttaaggt tgccaagggtg aagcgagctg agaggctttg tcctcggtgc 720
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rtgtagtcat caagacagta aatcccaggg cttgggttaag tgctgtgtga taacttgttt 1140
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aaaaaaaaat ttnggggggg cccgn 1225

<210> 101
<211> 1213
<212> DNA
<213> Homo sapiens

<400> 101
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gattattgac tgtgctttta ctgtcacttt taatcccaaa tatgatacgt tattaaaagc 120
tgtaaaagat gctactaaca ctggaataaa gtgtgctgga attgatgttc gtctgtgtga 180
tgttggtgag gccatccaag aagttatgga gtcctatgaa gttgaaatag atgggaagac 240
atatcaagtg aaaccaatcc gtaatctaaa tggacattca attgggcaat atagaatata 300
tgctggaaaa acagtgccga ttgtgaaagg aggggaggca acaagaatgg aggaaggaga 360
agtatatgca attgaaacct ttggtagtac agggaaaagg gttgttcatg atgatatgga 420
atgttcacat tacatgaaaa attttgatgt tggacatgtg ccaataaggc ttccaagaac 480
aaaacacttg ttaaatgtca tcaatgaaaa ctttggaacc cttgccttct gccgcagatg 540
gctggatcgc ttgggagaaa gtaaatactt gatggctctg aagaatctgt gtgacttggg 600
cattgtagat ccatatccac cattatgtga cattaaagga tcatatacag cgcaatttga 660
acataccatc ctgttgctgc caacatgtaa agaagttgtc agcagaggag atgactatta 720

```

aacttagtcc aaagccacct caacaccttt attttctgag ctttggttga aaacatgata 780
ccagaattaa ttgtccacat gttgtctgtt ttaacagtgg acccatgtaa tactttttatc 840
catgttttaa aaagaaggaa ttgtgacaaa ggcaaaccgt ctaatgtaat taaccaacga 900
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ctgcacctat accctctggg gttgcttttt aaccttcctg gaatccattt tctaaaaaat 1140
aaagacattt tcagatctga gaaaaaaaaa aaaaaaaaaa aaaaaaacyc gggggggggcc 1200
ggtmcccaat tcg 1213

```

```

<210> 102
<211> 1564
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (1509)
<223> n equals a,t,g, or c

```

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<400> 102
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aaataaagat ttttgaccaa aatccagaaa atgggtatgag agaaaaataa attccagcta 180
gtttaataga tttttaaatg tcaatctgat tttagctctt agagagtgtc aactagctkg 240
taatgtttac ttttaattcc ttgttaaaat gaggcaataa ttgcaagat ttttgtatat 300
aagtgtaaat tcttcatatc tttttagatc taattcaata ttttctgact acttctgcc 360
tgtataatac catttttgtg catgcttgga tgtgacattc ataaattgta ccactatgac 420
tttatccatg taaaatagct atttattgaa ttttctttta aaagctggat ttactgggtt 480
tttttttct ctcagtttaa acatcttaac agaraawttg ttactgttta ttaaagaat 540
tgcatttgga agcaagaaaa caaccggatt tgcaatcatg tgaagaaaca ataatgcctt 600
tattatcaag tgtaagcac aattcttata acaaactgtg ataaattctt ttgtttttt 660
tttctttgc ccattatctt tcttatgaac aaacaaaaa ttcatgggtg gcagttgcag 720
tggtggctga tatatctttt atgtacaggg aatttgaaaa ggacagtggg ttcatttaga 780
agtgtaaactg gtgctgtgat tatagcaata catttgtag ttgtacttca tctttttcat 840
gctagctttt taaatgttta gtttctctt tgtcatgggc agctgctgaa tttacttgaa 900
ggatgtagaa tactgtttaa aaaatactaa aatttgtaaa attagatcaa agaattgtgc 960
aatcatttcc tttttaattt ttaaaatggt gaggtcata aatatttgag aacatcagat 1020
ctaataagagc atagtgtatc tatttaatta accaaagtct ctagtgaata tttcaacttt 1080
gaatgtaaac taacaaataa acctgaccac caaggagatt gtttgcccag agtttcaaag 1140
cacattgtct acaaatggaa attgaaataa tttataaaat attgacgtta ctatgttttt 1200
taaaaagttc ctaatttttt cactaaatgg aggaaactat tagttttatt gttaaatatg 1260
gtagatatta atattcctct tagatgacca gtgattccaa ttgtcccagt ttgaaataag 1320
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aagaggaagt tgctattgca ttgattttta tatttgtaaa taaacactga tttttttgag 1440
cattattttg tatttgttgt actttaatac ctggtgtaca gttccagaaa taaaaatctg 1500
ggaatcttna aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcgggccgc 1560
tcta 1564

```

```

<210> 103
<211> 1457

```

<212> DNA

<213> Homo sapiens

<400> 103

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aattcggcac gagccgttca agggctctta gaggtggcca aagactcaat cccccgaagt 60
cactggaaaa agaccccagt ggtcctaaag gcaacagcag gactacgctt actgccagaa 120
cacaaagcca aggctctgct ctttgaggta aaggagatct tcaggaagtc acctttcctg 180
gtaccaaagg gcagtgttag catcatggat ggatccgacg aaggcatatt agcttgggtt 240
actgtgaatt ttctgacagg tcagctgcat ggccacagac aggagactkt ggggaccttg 300
gacctagggg gagcctycac ccaaatcacg ttcctgcccc agtttgagaa aactctggaa 360
caaactccta kgggctacct cacttccttt gagatgttta acagcactta taakctctat 420
acacatagtt acttgggatt tggattgaaa gctgcaagac tagcaaccct gggagccctg 480
gagacagaag ggactgatgg gcacactttc cggagtgcct ktttaccgag atgkttggaa 540
gcagagtgga tctttggggg tgtgaaatac cagtatggtg scaaccaaga aggggaggtg 600
ggctttgagc cctgctatgc cgaagtgctg aggggtggtac gaggaaaact tcaccagcca 660
gaggaggtcc agagaggttc cttctatgct ttctcttact attatgaccg agctgttgac 720
acagacatga ttgattatga aaaggggggt attttaaaaag ttgaagattt tgaaagaaaa 780
gccagggaa ggtgtgataa cttggaaaac ttcacctcag gcagtccttt cctgtgcatg 840
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caaaaagtat agttttggaa cttaaccttg gagtgagagc ccagggacag gtccctggaa 1260
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tcctcttaaa tggtaaactg acttattgca atcccaagac ccatcaatat cagtattttt 1380
ttctcccta tacagtgcc tgcccacct tatctgcacc cacctccctt gaaaaagaaa 1440
aaaaaaaaaa ctcgtag 1457
```

<210> 104

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (748)

<223> n equals a,t,g, or c

<400> 104

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gtgctgtgtt gtgaatgtag gtgtaccctt tgaattcata tgttgaatcc taacccccaa 120
agcaatggca ttaagagggt gggccttttg ggctgggata caggagttag ccactgcgcc 180
tggtgatcc cagcactttt caaatgatgc cgctcaaagc cgtgacttgg cctactttga 240
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gggtgtgaat tggccagtgt cagatctcag gagtccctgt ttgagagtgt ggctttcagc 360
tgcggggagc tgcacttggg ggggaaagcc aggcaggtca ccctcacagc cagataatgt 420
ggaggtcaga acccaaggaa gggagtgaga cctccactcc cagtggggga cctggccacc 480
catccttggg gacctgagaa agcgtacttc accttgggtt gaaggctggg tggggccaga 540
gggaccagtg ccctcctcag tgcttagggg cagagccacc tgcagcaatg gtatctgcat 600
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```

attagcccct ctccaccttc tttctcccg c tgaatcattt ccctcaaagc ccaagagctg 660
tcaactgcttc tttctccctg ggaagaatgc gtggactctg cctgggtgata gactgaagcc 720
agaacagtgc cacaccctcg ccttaatncc ttgctagggtg tctcagattt atgagacttc 780
ttagt 785

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<210> 105

<211> 921

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<400> 105

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aaacagttgc cccagaaaga catgtcttgt tttaaagccc agaacctgaa attattatag 120
atattatttcg gtaataagga actttgcatg tgtaattact taaggatatg aagatgagat 180
tgtcctggat tattaagcac cctaaatgcc atgtacaggt gtccttccaa gagaacagaa 240
gaggagacac agacacagag caggaggaca cgtggagaca gaggcagact ggagtgatgc 300
ggccacaagc ccagggacac ctggagcccc caggagctgg gagaggcagg aaggatcctc 360
ccctagagcc tccaggggga actggaggat gcgtaagaga cccagaactt ccacagaagg 420
aggaaaatta acctcctgct tctctagact gttccaaagc tgaacctag aaagcaaagc 480
tgatacagaa gcatccaggc tgcaggagta caggctcgca gtgctgagcg tgggccttgg 540
gtgtgtctca tgggggaaaa aaaactgtga aaaacctcag agtagcatct tcacagtaac 600
gcacggacga tccctaaact gccttgtaaa caaaaatgag agcttgagtc agaggaagcc 660
gagacaatat ccttcctcga caacgtgcga gaacctgac gtcccccagc aaaggaagac 720
gttgcaagca ggcaaaatgc gtcgattttt tttttttgtc agtatgatga tttttgcagc 780
cacttggtcta tggagagcag ccgacacccc ctcttacagc cgtggatgtt tcctggaagc 840
tgactcagtc tgttcactgg ttgagctttg agtgaaaaga taacacaggt ctattgactc 900
acacacatgt ttaagatgg a 921

```

<210> 106

<211> 592

<212> DNA

<213> Homo sapiens

<400> 106

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gtgatctgca tgtggcaggg ctgcgcagtg gagcggccag tgggcaggat gacgagccag 60
acctctctgc cccagtcccc ccggcccagg cggccgacga tgtctactgt tgtggagctg 120
aacgtcgggg gtgagttcca caccaccacc ctgggtaccc tgaggaagtt tccgggctca 180
aagctggcag agatgttctc tagcttagcc aaggcctcca cggacgcgga gggccgcttc 240
ttcatcgacc gccccagcac ctatttcaga cccatcctgg actacctgcg cactgggcaa 300
gtgcccacac agcacatccc tgaagtgtac cgtgaggctc agttctacga aatcaagcct 360
ttgggtcaagc tgctggagga catgccacag atctttgggt agcaggtgtc tcggaagcag 420
tttttgctgc agtgccgggc tacagcgaga acctgggagc tcatgggtgc cctggcacgt 480
gcagaagcca taacagcacg gaaktccagg tgyttgtgtg cctgggtgaaa cttgaggagg 540
caggatgcat tattattcag aggtcctgtg tttttcttgc aggataagaa gg 592

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<210> 107

<211> 2248

<212> DNA

<213> Homo sapiens

<400> 107

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tctgggagta cgacatggcg cgcgagctgc gggcgctgct gctgtggggc cgccgcctgc 60
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ctcggaggac cacagcccag ttgggccccca ggcgaaaccc agcctggagc ttgcaggcag 180
gacgactgtt cagcacgcag accgccgagg acaaggagga acccctgcac tcgattatca 240
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agcttttgga cattgttgcc cggtcctgtt actcagaaaa agaggtgttt atacgggagc 360
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aagcactgcc agaaatggag attcacttgc agaccaatgc cgagaaaggc accatcacca 480
tccaggatac tggatccggg atgacacagg aagagctggg gtccaacctg gggacgattg 540
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gaaaaaaaaa aaaaaaaaaa cctctgcc 2248
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<210> 108

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (769)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (771)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (785)

<223> n equals a,t,g, or c

<400> 108

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tttgtttacc cgataaggaa ggtcagcatt caaagtcaag aagcgccatt tatcttccc 180
tgcgctctac aaatagtcc gtgagaaaga tggccgggaa ctcgatcctg ctggctgctg 240
tctctattct ctcggcctgt cagcaaagtt attttgcttt gcaagttgga aaggcaagat 300
taaaatacaa agttacgccc ccagcagtc ctaggtcacc agagtttgag agagtatttc 360
gggcacaaca aaactgtgtg gagttttatc ctatattcat aattacattg tggatggctg 420
ggtggtatct caaccaagtt ttgctactt gtctgggtct ggtgtacata tatggccgct 480
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gtctggggat ttgtgccttg ttgacctcc taggtgccct gggaattgca aacagctttc 600
tgatgaata tctggacctc aatattgcca agaaactgag gcggcaattc taactttttc 660
tcttcccttt aatgcttgca gaagctgttc ccaccatgaa ggtaatatgg tatcatttgt 720
taaataaaaa taaagtcttt aaaaaaaaaa aaaaaaaaaa gggggggcnc nctaaaaaat 780
ccaan 785
```

<210> 109

<211> 611

<212> DNA

<213> Homo sapiens

<400> 109

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<213> Homo sapiens

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<211> 4065
<212> DNA
<213> Homo sapiens

<400> 111

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<211> 1492

<212> DNA

<213> Homo sapiens

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<400> 112

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<210> 113

<211> 1482

<212> DNA

<213> Homo sapiens

<400> 113

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<211> 3731

<212> DNA

<213> Homo sapiens

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<210> 115

<211> 1315

<212> DNA

<213> Homo sapiens

<400> 115

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ctaattagtg tagcatttac aagaaagaaa aattaagatc ttaaaatcag tgattatctt 1260

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<211> 1320

<212> DNA

<213> Homo sapiens

<400> 116

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<210> 117

<211> 2025

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1916)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1944)

<223> n equals a,t,g, or c

<400> 117

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<210> 118

<211> 1295

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1286)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1292)

<223> n equals a,t,g, or c

<400> 118

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maaaaaaaaa aaaaaaaaaa aaaaangggg gnccc 1295
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<210> 119

<211> 1257

<212> DNA

<213> Homo sapiens

<400> 119

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ttattttaat gactatgaga taatgtatat gacagcactt tgagaaaata tcaactgtaa 180
tataactata aggttgtagt attgtctgtt taaaagataa gacagttgat tcaatgtgga 240
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atttagaaat atgaaactgc ttaacaggta tgagcaggta tagcaagtgt ttgctaaagt 360
tgtagttcag agctgaatta cttcaggaaa ctagggacca actttttggt ttaattccga 420
tctttaaaaa gtaagaatgt gtactcactc cagaacacag aagctcttcc aaggaccttg 480
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cctatgtcct gcatagtttt gttaggttta cagggggagg tggatggcca taaaaccagt 660
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<210> 120
 <211> 397
 <212> DNA
 <213> Homo sapiens

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 <222> (325)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (378)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (395)
 <223> n equals a,t,g, or c

<400> 120
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 cttggcatga ccacatgacc tgcagagccc ctgttataga actcattttt atattttcct 180
 tagtataaca gttaatatata tatgtcattt ttgttaatag tgtctttttg tcattttact 240
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 ataactaaca accagaantc tccgtgtact ccctncc 397

<210> 121
 <211> 876
 <212> DNA
 <213> Homo sapiens

<400> 121
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<210> 122
<211> 1278
<212> DNA
<213> Homo sapiens

<220>
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<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
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<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1231)
<223> n equals a,t,g, or c

<220>
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<222> (1262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1269)
<223> n equals a,t,g, or c

<400> 122
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gcagacgacg tcctccgcgc acctcaccca gacatgttca aggagcagca gctscagatc 480
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<210> 123

<211> 3115

<212> DNA

<213> Homo sapiens

<400> 123

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<210> 124

<211> 379

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<220>

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<222> (344)

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<220>

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<222> (366)

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<400> 124

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<210> 125
<211> 1267
<212> DNA
<213> Homo sapiens

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<211> 841
<212> DNA
<213> Homo sapiens

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g 841

<210> 127
 <211> 1172
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (119)
 <223> n equals a,t,g, or c

<400> 127
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<210> 128
 <211> 891
 <212> DNA
 <213> Homo sapiens

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<210> 129

<211> 2461

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1164)

<223> n equals a,t,g, or c

<400> 129

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<210> 130
<211> 2197
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2194)
<223> n equals a,t,g, or c

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<210> 131

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<400> 131

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<210> 132

<211> 1950

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1941)

<223> n equals a,t,g, or c

<400> 132

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<210> 133

<211> 2093

<212> DNA

<213> Homo sapiens

<400> 133

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gctgttcctg tgaatctcca aattttgtac cttgttctaa gctaataatat agcaattaaa 2040
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<210> 134

<211> 729

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (646)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (665)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (725)

<223> n equals a,t,g, or c

<400> 134

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caaggccagg ccctggacca cagcttgctc ctgctgcaaa gaaganaaaa ccagccagcg 660
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gccantgcc                                     729
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<210> 135

<211> 1189

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1175)

<223> n equals a,t,g, or c

<400> 135

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<210> 136

<211> 1466

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1291)

<223> n equals a,t,g, or c

<400> 136

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<210> 137

<211> 140

<212> DNA

<213> Homo sapiens

<400> 137

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actaaaccat ccaatcggtg 140

<210> 138

<211> 4142

<212> DNA

<213> Homo sapiens

<400> 138

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tt 4142

<210> 139

<211> 1747

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1659)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1704)

<223> n equals a,t,g, or c

<400> 139

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<210> 140

<211> 1240

<212> DNA

<213> Homo sapiens

<400> 140

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<210> 141
<211> 671
<212> DNA
<213> Homo sapiens

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<211> 3265
<212> DNA
<213> Homo sapiens

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<222> (3234)
<223> n equals a,t,g, or c

<220>
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<222> (3256)

<223> n equals a,t,g, or c

<400> 142

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tcaatcacgt ggacactaag gcacgtttta gagtctcttg tcttaatgat tatgtccatc 3060
cgtctgtccg tccatttgtg ttttctgcgt cgtgtcattg gatataatcc tcagaaataa 3120
tgcacactag cctctgacaa ccatgaagca aaaatccgtt acatgtgggt ctgaacttgt 3180
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taaagatcaa cttctncctt gatca 3265
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<210> 143

<211> 765

<212> DNA

<213> Homo sapiens

<400> 143

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ccaccgtccc cggcggaagt ctgcgctggt cggcggagta gcaagtggcc atggggagcc 120
tcagegggtct gcgcctggca gcaggaagct gtttttaggt atgtgaaaga gatgtttcct 180
catctctaag gcttaccaga agctctgatt tgaagagaat aaatggattt tgcacaaaac 240
cacaggaaaag tcccggaagt ccatcccgca cttacaacag agtgccttta cacaaacctt 300
cggattggca gaaaaagatc ctcatatggt caggtcgcct caaaaaggaa gatgaaatcc 360
cagagactgt ctcgttggag atgcttgatg ctgcaaagaa caagatgcga gtgaagatca 420
gctatctaag gattgccctg acggtggtag gatgcatctt catgggttatt gagggcaaga 480
aggctgcccc aagacacgag actttaacaa gcttgaactt agaaaagaaa gctcgtctga 540
aagaggaagc agctatgaag gccaaaacag agtagcagag gtatccgtgt tggctggatt 600
ttgaaaatcc aggaattatg ttataacgtg cctgtattaa aaaggatgtg gtatgaggat 660
ccatttcata aagtatgatt tgcccaaacc tgtaccattt ccgtatttct gctgtagaag 720
tagaaataaa ttttcttaaa taaaaaaaaa aaaaaaaaaa tcgag 765
```

<210> 144

<211> 1694

<212> DNA

<213> Homo sapiens

<400> 144

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gcccacgcgt ccgggttgct ctattattat tattattatt atttgccttt ttttaatcac 60
catttatttg tgtaatcttt ctccattgat tggctgtcat tcttataata tctgaactac 120
cccataaaat aattctctga cttaaaggca tttagctttt gcttatcgtt tttacatcct 180
ctattcaact aagacactgt cttgagagtt attttttcca gatggatcgt tggcctaaat 240
tttcacactt ctcccctggt catccttttt cctcttccct gcttcctggg aataaaagga 300
acttttttaa aaaaattaat tagtccacag gwctmattat ctttctttat gattaatcta 360
tgactttttg gtacaagaac aatggaaaaa gtgaattaag gtaatgaaca aaacctttca 420
cccacttaaa cattttccag ttttgagatt cctcttcgtg tttgtgggtg cttccccctg 480
ttaccccttc tgcccttttt ctctgactat ggtaatttgg tctttaggct catatcagtc 540
tccccgagac attctgcagt cattatcacc tttttgggtg gattttattt tgttttattt 600
tgtttttttt aaaaaataaa ctttttaaca ttgggtgcata tttgcttggg atagagcttg 660
tgtaatttac caatcgtatt gattgtaagt gattgtgcc tgcagaggta tatttaacaa 720
gacaaaaata atcttggtta ataaaggagc ccatgagatt tgagtcagg tgaagtga 780
atcacttaca cttttggata gaatttatac tcctgctctt ataaatcagt ggtagactta 840
ccatttttta aagttttctt gcattttttt gtttttttat tgccacagct cctattctt 900
tcttgctgct ctccaccccc ctgttcagga aaaaaaaaaa ttgagcctta aagtgcagc 960
tgatttttta attgctgaat tttgtgaaat tttacttttt ccaagtgttt ccaacttta 1020
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aaagagaagt gaagacaaat aggttggaat ggtgaagaca aatggrrttgg ratttcacag 1080
gctgtgaata attccttagg atctggcaaa ccgtgaagtc ttatttgaag accttatctc 1140
ctgagagttc ttttggaagta ggaaaaagaa ccctatttga aatagaccgt ttttctcttg 1200
tttttaatat gtttaatat tctgattttt aagcagcttt caaaacaagt gtggtggaaa 1260
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cttggaact gactcagcct catgttgctc ctaattagtg tttaaggctc ccatgagttg 1500
cagataaaat gatttatatt aacaagtaga aggagggtgat tcaccttttg gattgtaaat 1560
atatgaaaat gtctacaagg tctttatctg ctttctgtca gcatttatat taaatgataa 1620
attaatgagg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680
aaaaaagggc ggcc 1694

<210> 145

<211> 823

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (731)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (743)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (749)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (755)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (817)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (821)

<223> n equals a,t,g, or c

<400> 145

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tgctcacagac tacttcatca gtcgcttatac tggagctggg accaagggtt ctgccaggcc 60
ttgggatcag ctcttggggg tcagagcagc cttcccacat cctctggcac tgctgaactt 120
ttgcagcagc tctttcctcc tctyttggat gcccttcgag agcccagggt acgacggatt 180
tnctgccagc ctgcagatcc tgcgcctgtc gccctgcagg tctctgtacc cttcagacca 240
ccttgctctg gttcctgggc agagctcagc agtacttggc agcatgggac ccagcttcct 300
tcttgctcct gatccaaaag gacttacctc ctctgttgca tgaggcagaa gctttgtata 360
gcctggcctc agaggaaagc ttagctctgg aagtggagca gcagctgggc ctggagatcc 420
agaagctgac tgcacagatc cagctcctgc ctgaagagtc actaagtgtc ttttctcaag 480
aatgtcataa acaagccatg caagggttca agctctacat gccacggggg cggtagctggc 540
ggcttcgtct ctgtcctgaa cctcccagtg ctcttagtga gtatgctggg ttagtggtcc 600
gcaccgtact ggagcctgtg ttgcaaggat tgcaagggtt gcacctcaag cccaggcccc 660
tgcccttggg caggctctga cggscatcgt ggggtgcctgg cttgaccaca ttcttaccca 720
tgggattcgg nttcaacctg canggagcnc tkcancttaa acaagacttt ggaatggtca 780
ggagtttggt gaaaagagca tggacctgtc cctgatntcg nca 823
```

<210> 146

<211> 1134

<212> DNA

<213> Homo sapiens

<400> 146

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ggttataata aaggataata gtcttgtgct gacaccatca cacatcaaag cctacatggt 120
gatgactctt caaggattag aatatttaca tcaacattgg atcctacata gggatctgaa 180
accaaacaac ttgttgctag atgaaaatgg agttctaaaa ctggcagatt ttggcctggc 240
caaattctttt gggagcccca atagagctta tacacatcag gttgtaacca ggtggtatcg 300
ggcccccgag ttactatttg gagctaggat gtatggtgta ggtgtggaca tgtgggctgt 360
tggtctgtata ttagcagagt tacttctaag ggttcctttt ttgccaggag attcagacct 420
tgatcagcta acaagaatat ttgaaacttt gggcacacca actgaggaac agtggccgga 480
catgtgtagt cttccagatt atgtgacatt taagagtttc cctggaatac ctttgcata 540
catcttcagt gcagcaggag acgacttact agatctcata caaggcttat tcttatttaa 600
tccatgtgct cgaattacgg ccacacaggc actgaaaatg aagtatttca gtaatgcgcc 660
agggccaaca cctggatgtc agctgccaag accaaactgt ccagtggaaa ccttaaagga 720
gcaatcaaatt ccagcttttg caataaaaag gaaaagaaca gaggccttag aacaaggagg 780
attgcccaag aaactaattt tttaaagaga acactggaca acattttact actgagggaa 840
atagccaaaa aggcaaataa tggaaaaata gtaaacatta agtaaatgct gtagaagtga 900
gtttgtaaat attctacaca tgtaaaatat gtaaaactat gggttatttt tattaatgt 960
attttaaaat aaaaatttaa ttctggtttt tctgattaga gtgcmaaagt gagaaaagtt 1020
caatactctt gaatgtagaa ttgaaaatgc attagggaaa acttaataaa aattattacc 1080
agttatttggt aagatctgac ccatatagta tcacaaatct gtagtagcat gggg 1134
```

<210> 147

<211> 1486

<212> DNA

<213> Homo sapiens

<400> 147

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gcggacgcgt ggggggcggg gtgtcgtttc ctttcgctga tgcaagagcc tagtgcggtg 60
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gtgggagagg tatcggcagg ggcagcgctg ccgcccggggc ctgggggctga cccgtctgac 120
ttcccgtccg tgccgagccc actcgagccg cagccatgtc tggggacgag atgatttttg 180
atcctactat gagcaagaag aaaaagaaga agaagaagcc ttttatgtta gatgaggaag 240
gggataccca aacagaggaa acccagcctt cagaaacaaa agaagtggag ccagagccaa 300
ctgaggacaa ggatttgga gctgatgaag aggacactag gaaaaaagat gcttctgatg 360
atctagatga cttgaacttc tttaatcaaa agaaaaagaa gaaaaaaact aaaaagatat 420
ttgatattga tgaagctgaa gaagggtgtaa aggatcttaa gattgaaagt gatgttcaag 480
aaccaactga accagaggat gaccttgaca ttatgcttgg caataaaaag aagaaaaaga 540
agaatgttaa gttcccagat gaggatgaaa tactagagaa agatgaagct ctagaagatg 600
aagacaacaa aaaagatgat ggtatctcat tcagtaatca gacaggccct gcttgggcag 660
gctcagaaag agactacaca tacgaggagc tgctgaatcg agtggtcaac atcatgaggg 720
aaaagaatcc agatatggtt gctggggaga aaaggaaatt tgtcatgaaa cctccacaag 780
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gtgccaaagc taactaattt gctaatact gattttgcaa agcttgttgt ggagatgtgg 1200
ctggacaggt ttgccatcag agtggatata ccgttgtatt aaaaacaaga taaaaaagct 1260
gccaaagatt ttggcgagt gttggtctga agtccttgca agacgctgat gctcaagctg 1320
ttgacatact cattgcctac tttaacacct gtcagagaaa cgtgatattg ggtaaggagg 1380
tgctttttta aaatcgttca tagacttctg taaaatgcaa gataaattaa agttattata 1440
acagtgataa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1486

<210> 148

<211> 153

<212> DNA

<213> Homo sapiens

<400> 148

cgcctgtgca gcgcaagatc gaggctcgct cggcagagga ctccctcaca ggcttcgtcc 60
ggaccctgta ctttgctgac acctacctga aggagtgccaggctgagcg gccaggcctc 120
cagaacatgg agctggcgcc tgtgcagcgc aag 153

<210> 149

<211> 882

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (870)

<223> n equals a,t,g, or c

<400> 149

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acgaagggca aagntgggtg caccncggtg cgccgtctag actagtggat cccggctcag 60
gattcgcacg tgctcctcctg tctcagtatg gcgctgtcct gggttcttac agtcctgagc 120
ctcctacctc tgctggaagc ccagatccca ttgtgtgcca acctagtacc ggtgcccac 180
accaacgcca ccctggaccr gatcactggc aagtggtttt atatcgcatc ggcctttcga 240
aacgaggagt acaataagtc ggttcaggag atccaagcaa ctttctttta cttcaccccc 300
aacaagacag aggacacgat ctttctcaga gaggaccaga cccgacagga ccagtgcac 360
tataacacca cctacctgaa tgtccagcgg gaaaatggga ccatctccag atacgtggga 420
ggccaagagc atttcgctca cttgctgatc ctgagggaca ccaagacctc catgcttgct 480
tttgacgtga acgatgagaa gaactggggg ctgtctgtct atgctgacaa gccagagacg 540
accaaggagc aactgggaga gttctacgaa gctctcgact gcttgcgcat tcccaagtca 600
gatgtcgtgt acaccgattg gaaaaaggat aagtgtgagc cactggagaa gcagcacgag 660
aaggagagga aacaggagga gggggaatcc tagcaggaca cagccttgga tcaggacaga 720
gacttggggc catcctgccc ctccaacccg acatgtgtac ctgagctttt tccctcactt 780
gcatcaataa agcttctgtg ttggaacag ctaaaaaaaa aaaaaaaaaa aaaaaaaaaa 840
actcgagggg gggcccgkaa cccaatcgcn tgatattatt ag 882
```

<210> 150

<211> 1508

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<400> 150

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ctaaggaggg gtgaaccggc ccaggtcgga aacggagcag gtcaaaactc ccgtgctgag 60
gtgggagggat cgcttgagcc caggagtctt gggctgtagt gcgctatgcc gatcgggtgt 120
ccgcantcta gccttggaac cagtgaaga ctgtncaaaa aacagcaaca garagcagga 180
cgtgagactt ctacctgctc actcagaatc atttctgcac caacctaggc cacttttg 240
gagctcagta ccaaagccaa gatgccatt gtgggcctgg gcaattggaa gtctcctctc 300
ggcaaagtga aagaagcagt gaagggtggc attgatgcag gatatcgga cattgactgt 360
gcctatgtct atcagaatga acatgaagtg ggggaagcca tccaagagaa gatccaagag 420
aaggctgtga agcgggagga cctgttcacg gtcagcaagt tgtggccac tttctttgag 480
agacccttg tgaggaaagc ctttgagaag accctcaagg acctgaagct gagctatctg 540
gacgtctatc ttattcactg gccacaggga ttcaagtctg gggatgacct tttcccaaaa 600
gatgataaag gtaatgccat cgggtggaaa gcaacgttct tggatgcctg ggaggccatg 660
gaggagctgg tggatgaggg gctggtgaaa gcccttgagg tctccaattt cagccacttc 720
cagatcgaga agctcttgaa caaacctgga ctgaaatata aaccagtgc taaccaggtt 780
gagtgtcacc catacctcac gcaggagaaa ctgatccagt actgccactc caagggcac 840
```

```

accgttacgg cctacagccc cctgggctct ccggatagac cttgggccaa gccagaagac 900
ccttcctgc tggaggatcc caagattaag gagattgctg caaagcacaa aaaaaccgca 960
gcccagggtc tgatccggtt ccatatccag aggaatgtga ttgtcatccc caagtctgtg 1020
acaccagcac gcattgttga gaacattcag gtctttgact ttaaattgag tgatgaggag 1080
atggcaacca tactcagctt caacagaaac tggagggcct gtaacgtgtt gcaatcstct 1140
catttggaag actatccctt cgatgcagaa tattgagggt gaatctcctg gtgagattat 1200
acaggagatt ctctttcttc gctgaagtgt gactacctcc actcatgtcc cattttagcc 1260
aagcttattt aagatcacag tgaacttagt cctgttatag acgagaatcg aggtgctgtt 1320
ttagacattt atttctgtat gttcaactag gatcagaata tcacagaaaa gcatggcttg 1380
aataaggaaa tgacaatttt ttccacttat ctgatcagaa caaatgttta ttaagcatca 1440
gaaactctgc caacactgag gatgtaaaga tcaataaaaa aaataataat cataaaaaaa 1500
aaaaaaaaa                                     1508

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<210> 151
<211> 1232
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

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```

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (1213)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (1217)
<223> n equals a,t,g, or c

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<400> 151
naactgnget agcatgecca gccacagag agcctccact agagtgatgc taagtggaaa 60
tgtgaggtgc agctgccaca gagggccccc accagggaaa tgtctagtgt ctagtgatc 120
caggccacag gagagagtgc cttgtggagc gctgggagca ggacctgacc accaccagga 180
ctccagcctg ggtgacaggg tgaacgccat ctcaaaaaat aaaaattaaa aaataaaaaa 240
agaacctgga tctcaattta atttttcata ttcttgcaat gaaatggact tgaggaagct 300
aagatcatag ctagaaatac agataattcc acagcacatc tctagcaaat ttagcctatt 360
cctattctct agcctattcc ttaccacctg taatcttgac catatacctt ggagttgaat 420
attgttttca tactgctgtg gtttgaatgt tccctccaac actcatgttg agacttaatc 480
cctaattgtg caatactgaa aggtggggcc tttgagatgt gattggatcg taaggctgtg 540
ccttcattca tgggttaatg gattaatggg ttatcacagg aatgggactg gtggctttat 600
aagaagagga aaagagaact gagctagcat gccagccca cagagagcct ccactagagt 660
gatgctaagt ggaaatgtga ggtgcagctg ccacagaggg cccccaccag ggaaatgtct 720

```

agtgtctagt ggatccaggc cacaggagag agtgccttgt ggagcgctgg gagcaggacc 780
tgaccaccac caggacccca gaactgtgga gtcagtggca gcatgcagcg ccccttggg 840
aaagctttag gcaccagcct gcaaccatt cgagcagcca cgtaggctgc acccagcaaa 900
gccacaggca cggggctacc tgaggccttg ggggccaat ccctgctcca gtgtgtccgt 960
gaggcagcac acgaagtcaa aagagattat tctcttccca cagatacctt ttctctccca 1020
tgacccttta acagcatctg cttcattccc ctcaccttcc caggctgac tgaggtaaac 1080
tttgaagtaa aataaaaagct gtgtttgagc atcaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
aaaaaaaaaa aangggnggc cgttttaaag ga 1232

<210> 152

<211> 999

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (917)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (951)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (995)

<223> n equals a,t,g, or c

<400> 152

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ggccatgctg ttgccaagtg gaggcttcca ggtgaaactc tatgacattg agcaacagca 180
gataaggaay gccctggaaa acatcagaaa ggagatgaag ttgctggagc aggcagggtc 240
tctgaaaggc tccctgagtg tggaagagca gctgtcactc atcagtgggt gtcccaatat 300
ccaagaagca gtagaggggyg ccatgcwcat ycwgtgaatc cgccatacta catcccgctg 360
gttgagctgg tccccaccc ggagacggcc cctacgacag tggacagaac ccacgccctg 420
atgaagaaga ttggacagtg ccccatgcga gtccagaagg aggtggcccg cttcgttctg 480
aaccgcctgc aatatgcaat catcagcgag gcctggcggc tagtggagga aggaatcgtg 540
tctcctagtg acctggacct tgtcatgtca gaagggttgg gcatgcggta tgcattcatt 600
ggacccttg aaaccatgca tctcaatgca gaaggtatgt taagctactg cgacagatac 660
agcgaaggca taaaacatgt cctacagact ttgggaccca ttccagagtt ttccagggcc 720
actgctgaga aggttaacca ggacatgtgc atgaaggtcc ctgatgaccc ggagcactta 780
gctgccagga ggcagtggag ggacgagtgc ctcatgagac tcgccaagtt gaaragtcaa 840
gtgcagmyaa sctggaratt tccacctttt cttttcagct tgattgcatt tgactatatt 900
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<210> 153

<211> 1212

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (794)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1047)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1146)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1176)

<223> n equals a,t,g, or c

<400> 153

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cggagatgga gccgctgctc tgggcctgga gctatttttag gcgcaggaag ttccagctct 120
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tgggcattta taacggccag ctttttaaca atctggggct gtgttgcttc tatgcccagc 240
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tctgattggt ccttagacca catatgttct tatgaagcmg cattatgcaa ggggaaaaaa 720
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tgatattagt taanggtgac acataagggg gacacagaat gtgtaatgca aatttcatag 840
taatagtaac ttataaaaat aatattataa aatacaggat ttaaaccctt ctaaatagat 900
cctgaaaactg tctctcacat tatatagtag atgtttgttt ataatgttta caaacattt 960
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cagggtgtgt tagcatgtgc ctatagtcce agcttacttg gggagggtggg aggtggggag 1140
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aaacctattt tt                                     1212
```

<210> 154

<211> 2361

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<400> 154

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cagaaggagg agggcagaat catcacgaag gntgaagttc atggatgtct atcagcgcgat 120
actgccatcc aatcgagacc ctggtggaca tcttccagga gtaccctgat gagatcgagt 180
acatcttcaa gccatcctgt gtgcccctga tgcgatgcgg gggctgctgc aatgacgagg 240
gcctggagtg tgtgcccact gaggagtcca acatcaccat gcagattatg cggatcaaac 300
ctcaccaagg ccagcacata ggagagatga gcttcctaca gcacaacaaa tgtgaatgca 360
gaccaaagaa agatagagca agacaagaaa aatgtgacaa gccgaggcgg tgagccgkgc 420
aggaggaagg agcctccctc agggtttcgg gaaccagatc tctcaccagg aaagactgat 480
acagaacgat cgatacagaa accacgctgc cgccaccaca ccatcaccat cgacagaaca 540
gtccttaatac cagaaacctg aaatgaagga agaggagact ctgcgcagag cactttgggt 600
ccggaggcgg agactccggc ggaagcattc ccgggcgggg gacccagcac ggtccctctt 660
ggaattggat tcgccatttt atttttcttg ctgctaaatc accgagcccg gaagattaga 720
gagttttatt tctgggattc ctgtagacac acccaccac atacatacat ttatatatat 780
atatattata tatatataaa aataaatatc tctattttat atatataaaa tatatatatt 840
ctttttttta attaacagtg ctaatgttat tgggtgtcttc actggatgta tttgactgct 900
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catgacagct ccccttcctg ggactcgccc tcatcctctt cctgctcccc ttcctggggg 1440
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acacattcct ttgaaataag gtttcaatat acatctacat actatatata tatttggcaa 1980
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tactgtttat ccgtaataat tgtggggaaa agatattaac atcacgtctt tgtctctagt 2220
gcagtttttc gagatattcc gtagtacata tttattttta aacaacgaca aagaaatata 2280
gatatatctt aaaaaaaaaa aagcattttg tattaagaa ttttaattctg atctcaaaaa 2340
aaaaaaaaaa aaaaaggggg g 2361
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<210> 155

<211> 1831

<212> DNA

<213> Homo sapiens

<400> 155

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ctttttcaaa agatgctctc tgcagcagta agactataga tagagttgat tggaatatca 180
tgtgaccag tatgctactg ctaggcataa ttatcaaaaa ttcatttttc tcattaaata 240
ttgttaattg ctgccacat aaagagaagc tagagctcac cagtcttggg ggtgtcctag 300
accttcctct aaagcagttc tgggaagctg gatcatcagw tctttagcct agacagagtg 360
tcgctggtaa ataaaggaga cacaggtaac ccagagtggg cagtgatattg cgtggggagw 420
cacagtggat ctggggcctc tgatactttg yttcckaaaa cagccccag tttcggctt 480
gcctatgaga tgatgttcat gtgcttcctt gaaaccaggg ggaaagaaag gggaagaatt 540
aattttctca ttctgttgct gttgaacgta atgtaatctt aatactgtag ccttcctaga 600
agcccttccc tctttttcat gctgtaaagt caaatatttg atatccttaa cataaatttt 660
aaaaattaag gtcattaggr agcaaagtgc tatttccaaa gcaatgagct tgttgtgact 720
gtgattttat tcttctatag tatttttttc ctcatthtaa ctgagaggag aaaataatac 780
tcttttgcaa tctccttagg ttctccctt ccccttggtg ccccttctag tgtcttaaga 840
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attaagccat aacagtttca tgctgtggaa agagggtgaa aagggtcatt ttaagagatt 1680
atataatatg aactttcaca tttactgtga aatgtctaac tttgccagtg cttcagcaag 1740
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gtggaacttt gggagagggg acagttgttg g 1831
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<210> 156

<211> 1186

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1045)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1078)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1118)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1134)

<223> n equals a,t,g, or c

<400> 156

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gttccggggc gcgaccctga ccctgcagcg taccgggaag cgaaaccggc cggatggggc 180
gctgagcccc aatcggggcac tgtgtggagc cccctggagc tgagatcagg atgttccgct 240
tcatgaggga cgtggagcct gaggatccca tgttcctgat ggatcccttt gctattcacc 300
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cagatggcaa catgccaggg accaggcctg ccagccggcg gatgcagcag gctggagctg 420
tctccccctt tgggatgctg ggaatgtcgg gtggtttcat ggacatgttt gggatgatga 480
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cttccactgt catctcctac tccaatacgg gtgatgggtc cccaagggtc taccaagaga 600
catcagagat gcgctcggca ccaggcggga tccgggagac acggaggact gttcgggatt 660
cagacagtgg actggagcag atgtccattg ggcacacat ccgggacagg gctcacatcc 720
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tggatgagag tgaggccgca gcgtttgatg acgagtggcg gcgggagacc tcccgattcc 840
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gccgytatga ctggtgaggg ccccgggcct caagcctctt ctttgtaaca ggctgagagg 1020
ctgagaaatc aatcccctga ataanttttc cctctccgat tccccatccc ccaatttnat 1080
aattaaatth aaacagggaa agccggggccc ccaactgnth ccttgggggt cttnagggga 1140
gaacttttaa cgggaccttt ttccctaact ttttccttct ttaaaa 1186
```

<210> 157

<211> 1448

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<400> 157

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ctgaactgga tgatacgaat gatgtcagat ttggaatcta acatcgtggc tgtggagagg 120
gtcaaggagt actccaagac agagacagag gcgccttggg tgggtggaagg cagccgccct 180
cccgaagggt ggccccacg tggggaggtg gagttccgga attattctgt gcgctaccgg 240
ccgggcctag acctggtgct gagagacctg agtctgcatg tgcacggtgg cgaraagggtg 300
gggatcgtgg gccgcactgg ggctggcaak tcttccatga ccytttgccct gttccgcac 360
ctggaggcgg caaagggtga aatccgcatt gatggcctca atgtggcaga catcggcctc 420
catgacctgc gctctcagct gaccatcatc ccgcangacc ccatcctgtt ctgggggacc 480
ctgcgcatga acctggaccc ctctggcagc tactcagagg aggacatttg gtgggctttg 540
gagctgtccc acctgcacac gtttgtgagc tcccagccgg cagcctggga cttccagtgc 600
```

```
tcagagggcg gggagaatct cagcgtgggc cagaggcagc tcgtgtgcct ggcccagacc 660
ctgctccgca agasccgcat cctggtttta gacgaggcca cagctgccat cgacctggag 720
actgacaacc tcatccaggc taccatccgc acccagtttg atacctgcac tgccttgacc 780
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agctgctggg tcaggccacc cctaggaact cagtcctgta ctctggggtg ctgcctgaat 1380
ccattaaaaa tgggagtact gatgaaataa aactacatgg tcaacagtaa aaaaaawaa 1440
aaaaaaaaa 1448
```

<210> 158
<211> 1004
<212> DNA
<213> Homo sapiens

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<400> 158
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cttctacat aaattaataa agtctgtcta tatttaagggt ttctgggagt agttttgtct 180
atatttaatc catagatgtg ctctagtca tcagtcttat ttcagtaaaa ccatctttct 240
ggccaaatct ctaacacgtt ttttacttca gtagtgaggg caatgagaag ctttattaag 300
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ttgaggatat aaagaggatg tgcactgagc tgtgctgatg ttcagcattt attatacttt 420
aatgggatat tgcttcttga ccattataga acaacaaact gtcaaagggt taatacagat 480
gacccagacc tgacattaaa tcctcttgat tagaaataat taaatgaatt atttattcat 540
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tccatgtgtt gtctctmact gatttagctt tttcttttct ttgaacaatt cggcatgaat 780
tgaaaccagg ttttcctgtg gaaagttata gcttgattgg gagatagaag ttgaattgag 840
ttctttcttg caactcttag tgtttatttt tatatctcag taagacgagg ataccttcag 900
tttgaatctg cataatgttc actgccaac tccttctcat ttaatgctta tggccttcac 960
atttctgtat aataaagatc aattatcagc tmaaaaaaaaaa waaa 1004
```

<210> 159
<211> 1509
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1420)
<223> n equals a,t,g, or c

<400> 159

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agcgtgcgtg cggctaagag agtgggcgt ctcgcggccg ctgacgatgg aagaactgga 120
gcaaggcctg ttgatgcagc catgggcgtg gctacagctt gcagagaact ccctcttggc 180
caagggtttt atcaccaagc agggctatgc cttgttggtt tcagatcttc aacaggtgtg 240
gcatgaacag gtggacacta gtgtggctag ccagcgagcc aaggagctga acaagcggct 300
cactgctcct cctgcagctt tcctctgtca tttggataat ctccctcgcc cattgttgaa 360
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tctacgggtg cgaagtgagc tctctggcct ccccttctat tggaatttcc actgcatgct 480
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gaagttgatg ttgacaggcc cacagggaat tggccttccc tgttcaagtg gaagccagtc 1200
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tctcttttgc atggaataaa aagcactcac agtgccctgn cttttgggat tacttatggc 1440
tgtggaactt catgaaccca atttcacttt ccttcactgg gttcccaccc cattgttgtc 1500
tctgggatg 1509
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<210> 160

<211> 2160

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<400> 160

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tttgaaagca ctgcaataaa gaaatcctcc tcctcttccct caggaaacccc tgcactctcag 120
ctttatccac agtctcgggg gctgggtcca aagtaaagcc agcttctcct ctcccagggc 180
ggaaacagca tttgccttct gagagaagag actagcaaaa agctgcagag aggattcggc 240
ccaaactcag aactgttccc ctgaggagaa gcggtggcct ctttgcagat caaccaactt 300
aatctgggtg aacgtgctgt tcctaactctg gcactcagcc cctctgggaa acatctttta 360
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<211> 3609

<212> DNA

<213> Homo sapiens

<400> 161

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<210> 162

<211> 1603

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1600)

<223> n equals a,t,g, or c

<400> 162

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<210> 163

<211> 853

<212> DNA

<213> Homo sapiens

<400> 163

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<210> 164
<211> 1917
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1856)
<223> n equals a,t,g, or c

<400> 164
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<210> 165
<211> 2420

<212> DNA

<213> Homo sapiens

<400> 165

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<210> 166

<211> 2061

<212> DNA

<213> Homo sapiens

<400> 166

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<210> 167

<211> 2567

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<400> 167

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<210> 168
<211> 2324
<212> DNA
<213> Homo sapiens

<400> 168

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<210> 169
<211> 1784
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1759)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1778)
<223> n equals a,t,g, or c

<400> 169
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<210> 170
<211> 1296
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1276)
<223> n equals a,t,g, or c

<400> 170
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nagacggaaa gaccnccccc ttcttcccc cccctt 1296

<210> 171
<211> 1897
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (952)
<223> n equals a,t,g, or c

<400> 171

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<210> 172

<211> 1723

<212> DNA

<213> Homo sapiens

<400> 172

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aattcagaat tctaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1723

<210> 173

<211> 1416

<212> DNA

<213> Homo sapiens

<400> 173

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<210> 174

<211> 1956

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<400> 174

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tcacgcagaa gtgcctggtt ccaaaagggtc attccttgaaa ctgatacttc aggtggaaaa 240
gtggcaggag gaatgcgagg aaggggaagg ccggacgatt atccactgcc taaatgggtg 300
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aacttcacat catcagcttg cagtttgtaa ttgactaaag cattccagtg tcctctttct 1860
agattgccag ctcatgacat ggtgcttata aagatttaat taaagtaaga atgaaataaa 1920
gtttttataa ttataaaaaa aaaaaaaaaa aaactc 1956

<210> 175

<211> 1689

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1688)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1689)

<223> n equals a,t,g, or c

<400> 175

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gtggagtggg ggcttctgag agtcagcctg aggtcttttag aggaccagct attgtagcac 180
cttgatact tgaagtttaa tgctcagttg ggtcgggtgg cagttgactt ggtggctggc 240
atgttcagca gtgcctgggg ccctgtttct gggcagcctt tgaggatttt ctatgatatt 300
gaatgacagt tttaagtggc aactcaggcc cagctcatgc ccttttttgc ctggacatgt 360
gctattttta ttcacttata tatcaattac ttgtaagggt taaactttca aacaggaagt 420
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tacgtgtgtt ttttagagct tggttcttta aagatttgga gaagatatgt aaattaccaa 1560
ggcacttggt ttttctgttt tatatactaa taatcagggc ctaagttaaa taaaaatatg 1620
tgtgcatgta ttttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680

aaaaaaann

1689

<210> 176

<211> 1016

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (928)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (970)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (992)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1001)

<223> n equals a,t,g, or c

<400> 176

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tgagctgctg gcgtgaatgc ttatttttct ttgtttatga taatttcact taacttttaa 180
gacatatatt cacaaaacct ttgtttaaag atctgcaata ttatatatat aaatatatat 240
aagataagag aaactgtatg tgcgagggca ggagtatttt tgtattagaa gaggcctatt 300
aaaaaaaaaa gttgttttct gaactagaag aggaaaaaaa tggcaatttt tgagtgccaa 360
gtcagaaagt gtgtattacc ttgtaaagaa aaaaattaca aagcaggggt ttagagttat 420
ttatataaat gttgagatgt tgcactatgt tttaataata atatgtcagt gcttgcttga 480
tggaaaacttc tcttgtgtct gttgagactt taaggagaga atgtcggaat ttcagagtcg 540
cctgacggca gaggggtgagc ccccgaggag tctgcagaga ggccttggcc aggagcggcg 600
ggctttcccg agggggccact gtccctgcag agtggatgct tctgcctagt gacaggttat 660
caccacgtta tatattccct accgaaggag acaccttttc cccctgacc cagaacagcc 720
tttaaatcac aagcaaaata ggaaagttaa ccacggaggc accgagttcc aggtagtggg 780
tttgcccttc caaaaaatga aaataaactg ttaccgaagg aattagtttt tcctcttctt 840
ttttccaact gtgaagggtc ccgtgggggt gagcatgggt cccctcacia gccgnacggc 900
tggtgccccg gctaccaggg acatgccnga gggctcgatg acttgtctct gcagggcgct 960
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<210> 177
<211> 1364
<212> DNA
<213> Homo sapiens

<400> 177

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ctgcacaccc agaatctatt acagatcctg gcatgtagct gatgcataaa tatttggtga 180
atgaaagtct gtacattgta tttatgctat tggattgct atgacctgaa actaaaagga 240
gttggtgaaa agatttctta tggaacagaa atatcccttt tgattaatat cacaatctcg 300
taaattgaga aaacaaawaa tatatactac tggagcattc atgtatagtt ggagattatg 360
actcatttat tgggtgtgtt ttggactcag aacaaagatg agggaatatt ccttaaagct 420
ctgtattgaa ataacgaaaa gcagtcacat ttaataata gaagcttcct agcttactct 480
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agtaaggctg tcaaaggcag caaaatgtct ttctgtttgg aagaataaca taaacttgac 600
atgtatgggt ggggacagaa ggtttcaaaa gtttaagaat ctgtgttgct ttaacaaata 660
gatgcttctc aaggasstta cgytagtggt tactctgtcc agtcagggtt ttttcttctt 720
taacttgggt tcatttctct atggcacaca tgaagtttg atcatatggt ttgacttttag 780
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gaaatgtttt tcccaaataa attstcttgt tatagctttc atgtgtgatt tgggtccagct 1140
tcttgttttg aagatactta cgggggggaa cactttgtga tttctcttag taacatatta 1200
accacttaa aaaccctttc tattacaggt cttcacattt aggettaatg tgcttaattc 1260
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<210> 178
<211> 740
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<400> 178

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cctcagcctc ccaaggtgct gggattacaa gtgtgagcca ctgtgtacag nctttgtgtt 180
aacttacttt gaattagccc cttattccaa agctgcctcc tgaaaggasg cttcctaaaa 240
ggtgttgctt tggggtaaata aagaggtgct ggtgaagtga gactagcttg cgcatctctc 300
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```
tgccatgaag gaaactagct ccgcagacgt ttactaacc acagcagacc ccctccttga 360
ggaaccaga agggcagaga gcatcagatg aaatcaactg ctgagagagg gaagtgagtg 420
ctgtgttggc accgctgcc aaaaactcttg agaatgagca tcgtgtgccca cttatccact 480
gcttgccgac ttcagtagca agagcctcca gaatgctcat ggataaacat catcttttgtg 540
gccacacatt gttttatgag ctgagtcatc agactggctg gctccttaaa tgctgctgtg 600
tgattctcta ggcagcagaa aacaaggaga gaagatatga agtgatatctc atcgagcttt 660
gtagagggcc agtatcgatt caccaaaggt gatgggggat ttaccattat ggagtttgtt 720
tgtgataaaa aattattgat                                     740
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<210> 179

<211> 1410

<212> DNA

<213> Homo sapiens

<400> 179

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tacaactcac attagagaac atcctggctt ttgagcactt ttcaaacaat caagttgact 180
cacgtgggtc ctgaggcctg cagcacgtcg gatgctaccc cactatgaca gaggattgtg 240
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agaagtttgg ctgctgtcat aacatccaga gcyttgtcgt atttggcaca cagcagaggc 360
ccagatatta gaaaggctct attccaataa actatgagga ctgccttatg gatgatttaa 420
gtgtctcact aaagcatgaa atgtgaattt ttattgttgt acatacgatt taaggtattt 480
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caaccctctc ctttccagta taaccagctg aagttgcaga tgtagatat ttttcataaa 600
caagttcgag tcaaagttga aaattcatag taagattgat atctataaaa tagatataaa 660
tttttaagag aaagaattta gtattatcaa agggataaag aaaaaaatac tatttaagat 720
gtgaaaatta cagtcacaaa tactgttctt tccaggctat gtataaaata catagtgaag 780
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa                                     1410
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<210> 180

<211> 1493

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1328)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (1352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1484)
<223> n equals a,t,g, or c

<400> 180
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ggtgaaggaa aagatcatgg cgggtgatcaa ggagtggggc actggccggg acaccctgcg 180
ctgcttgggc ctggccaccc gggacacccc cccgaagcga gaggaaatgg tcctggatga 240
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accccccttg cccgaatgaa tctttnaagg cttccggggc ccttggaacc ttcaanccaa 1440
gttggggttaa tggttcctcc aagattttca attggccagt taantggggg ttc 1493

<210> 181
<211> 2040
<212> DNA
<213> Homo sapiens

<400> 181

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agttgggggc tacatgctct atgtagccac aaccttcaag tatgtgtttg acttccatgc 180
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ggcatccttg caggtgttag gcacagtggg tgaacccatc aaccctgagg cctggctatg 480
gtaccaccgg gtggtagggtg ccagcgtctg ccccatcgtg gacaccttct ggcaaacaga 540
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tgcaacttgc cttaaaaaca atgatttgtg agtccaggaa caatttacta tttttaaaat 1680
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gcttctttga aggagtaaat gtgttttgtt cctagggcca gaggagcttg tcttccttgt 1860
cctctgttcc caccctcccc tgaacagaac ccagcccata agagacattc tcagatgaaa 1920
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<210> 182
<211> 969
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<400> 182

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tctcctgnac tttggtcacg ctagcatctt ctgctgatcc tgaaattgta ccagcggcaa 180
gatgtggcct ggaaggggac tttaagttct ccacaactgc cagcaatcct tccaccaggc 240
aaaacacatc atctaaggaa aagaagttag gtttgcttag ggcgtggcag cttcggataa 300
acgcaggact ccgcctggca gcccgatttc tcccgggaacc tctgctcagc ctggtgaacc 360
acacaggcca gcgctctgac atgcagaagg tgaccctggg cctgcttggtg ttctggcag 420
gctttcctgt cctggacgcc aatgacctag aagataaaaa cagtcctttc tactatgact 480
ggcacagcct ccagggttggc gggctcatct gcgctggggg tctgtgcgcc atgggcatca 540
tcctcgtcat gagtgagtgg aggagctcgg gggagcaggc gggccggggc tggggctccc 600
ctccctgac cactcagctc tccccaacag gtgcaaaatg caaatgcaag tttggccaga 660
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gatgaggaca gaccagctga aattgggtgg aggaccgttc tctgtcccca ggtcctgtct 780
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tggcagggcc tcctctcacc tctcgcaaga ggggtctctt gttcaatttt ttttwtacta 900
aaatgattgt gcctctgccc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 960
aaaaaaaaa 969
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<210> 183

<211> 1452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1430)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1441)

<223> n equals a,t,g, or c

<400> 183

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gcagggatcg gaagccggtt ggggtgtgag aggttttctc gctctagga gattcttcaa 120
gcaatcacta tgtcaacaga cacaggtgtt tcccttcctt catatgagga agatcaggga 180
tcaaaactca ttcgaaaagc taaagaggca ccattcgtac ccgttggaat agcgggtttt 240
gcagcaattg ttgcatatgg attatataaa ctgaagagca ggggaaatac taaaatgtcc 300
attcatctga tccacatgcg tgtggcagcc caaggctttg ttgtaggagc aatgactgtt 360
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tattggcttc ctttcttgca ggcttgattt gcttggtgac cgaattacta gtgactagtt 600
tactaactag gtcattcaag gaagtcaagt taacttaaac atgtcaccta aatgcacttg 660
atggtgttga aatgtccacc ttcttaaatt ttaagatga acttagttct aaagaagata 720
acaggccaat cctgaaggta ctccctgttt gctgcagaat gtcagatatt ttggatgttg 780
cataagagtc ctatttgccc cagttaattc aacttttgtc tgccctgttt gtggactggc 840
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atttgcattc catggtgtta acatggtata tgtattgtta ttaaagtaag tgacccatgt 1380
caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1440
naaaaaaaaa aa
1452

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<210> 184

<211> 2119

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2090)

<223> n equals a,t,g, or c

<400> 184

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aaattgaaac ttctaataaa aatgatatga ctatagatat attacatgct gatggtgaaa 60
gacctaatgt tctagaaaac ctagacaact caaaggaaaa gactgttgga tcagaagcag 120
caaaaactga agatacagtt ctctgcagca gtgatacaga tgaggagtgt ttaatcattk 180
wtacagaatg taaaaataat agtgatggaa agacagctgt tgtgggttct aacttaagtt 240
ccagaccagc tagtccaaat tcttcctcag gacaggcttc ttaggaaac cagactaata 300
ctgcttgwtg tcctgaagag tcatgtgttt taaaaaaacc tatcaaacga gtatataaaa 360
aatttgatcc agttggagag attttaaaaa tgcaggatga gctcttwaag ccaatttcca 420
gaaaagtacc agaattgccc ttaatgaatt tagaaaattc taaacagcct tctgtttctg 480
agcaattgtc tggtccttca gactcctcta gttggccgaa atctggatgg ccttctgcat 540
ttcagaagcc aaaaggacga ttgccatag aacttcagga ctatgttgaa gatacatcgg 600
aatacctagc tcctcaggaa ggaaattttg tttataagtt atttagcctg caagacctgt 660
tgttactcgt acgctgcagt gtccagagga tagagacaag accacgttct aaaaaacgga 720
agawwatyag aagacaattt ccagtttatg tactaccaa agtagagtat caagcttggt 780
atggagtga agctctgact gaaagtgaac tttgtcgctt atggactgaa agtttattgc 840
attccaacag ctcattttat gttgggcata tcgatgcatt tacttcaaaa ctttttctac 900

```

```

tggaagaaat tacctcagaa gaattaaaag aaaagctttc agcactcaag atttccaatt 960
tatttaacat cctccaacac attctaaaga aactaagtag cttgcaggag ggttcctact 1020
tgttatctca tgcagcagaa gattcttcac tcctgattta taaggcctct gatggaaaag 1080
ttactaggac agcatacaat ttgtataaaa cacattgcgg ccttcctggg gtaccttcca 1140
gtctctcagt tccctgggtc ccattagatc ccagcctggt attaccatat catatccatc 1200
atggaagaat accttgtagt tttccaccga aatcactgga taccacaaca caacaaaaga 1260
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gcagttgctt gcctgctcag caagttgaaa ctgaaggagt ggctccacat aaaagaaaaa 1380
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atgagcatcg caaactttgt ttctgaccca ttttgacagt ttttatatac tcctttaaaa 1860
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agaagccaaa aataaaaact ccctgcctct gaaaagtcag attactgact tcttgtttgg 1980
caaccatcag tttgtttaat aaaagaaaaa atttggtggt ataacatgtt tgatgacaga 2040
tgctctatc tctagattca agctgagtgt tgaaatacac tgctgaaagn aagagatagg 2100
tatgttttcc agaaaaaaa 2119

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<210> 185

<211> 1325

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1319)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1320)

<223> n equals a,t,g, or c

<400> 185

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tctccctgga tattggcact gaagtgtttg cccctggacc gggctctggg attcagaaac 120
agcgggagcc acggaagggc cgctcatcg tgtgtggcca tgggacgctg gagcgggacg 180
gagtcttctg tctcctcagc gatgatcatg gtgcctcctg gcgctacgga agtgggggtca 240
gcggcatccc ctacggtcag cccaagcagg aaaatgattt caatcctgat gaatgccagc 300
cctatgagct cccagatggc tcagtcgtca tcaatgcccg aaaccagaac aactaccact 360
gccactgccg aattgtcctc cgagctatg atgcctgtga tacactaagg ccccgatgat 420
tgaccttcga ccctgagctc gtggaccctg tggtagctgc aggagctgta gtcaccagct 480

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ccggcattgt cttcttctcc aaccacgac atccagagtt ccgagtgaac ctgaccctgc 540
gatggagctt cagcaatggt acctcatggc ggaaagagac agtccagcta tggccaggcc 600
ccagtggcta ttcattccctg gcaaccctgg agggcagcat ggatggagag gagcaggccc 660
cccagctcta cgtcctgtat gagaaaggcc ggaaccacta cacagagagc atctccgtgg 720
ccaaaatcag tgtctatggg aactctgag ctgtgccact gccacagggg tattctgcct 780
tcaggactct gccttcagga acacgggtct gtagagggtc tgctggagac gcctgaaaga 840
cagttccatc ttcctttaga ctccagcctt ggcaaaatca ccttcccttt accaggga 900
tcacttcctt taggactgaa agctaggcgt cctctcccac aaaaaagtcc tgccctcatc 960
tgagaatact gtctttccat atggctaagt gtggccccac caccctctct gcctcccggg 1020
acattgattg gtcctgtctt gggcaggctt agtgagctgt agaattgaat caatgtgaac 1080
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ctggtgaaag tccccagatg gcaggatatt tggtttcaga gtaaggacta ggtgcaccac 1200
catgactgac tatcaatcaa aatgtttgta acttaaaatt tttaatgaag gataatgaat 1260
attaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaann 1320
aaaaa 1325

<210> 186
<211> 433
<212> DNA
<213> Homo sapiens

<400> 186
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agtgccagtg gcagcaggaa agctcccttt ctcaagaatg cccatctgtg aacacatggt 180
agagtctcca acctgttccc agatgtccaa cctgggtctgc ggactgatg ggctcacata 240
tacgaatgaa tgccagctct gcttgccccg gataaaaacc aaacaggaca tccagatcat 300
gaaagatggc aaatgctgat cccacaggag cacctcaagc catgaagtgt cagctggaga 360
acagtgggtg gcatggagag gatatgacat gaaataaaag atccagccca aaaaaaaaaa 420
aaaaaaaaa aaa 433

<210> 187
<211> 859
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (803)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (853)
<223> n equals a,t,g, or c

<400> 187
cccacgcgtc cgcccacgcg tccgcccacg cgtccgaccg gggcttttcg tgagctcgtc 60
tctgatctcg cgcaagagt acacacaggt gttcaagac gcttctgggg agtgagggaa 120
gcggtttacg agtgacttgg ctggagcctc agggggcggc actggcacgg aacacaccct 180
gaggccagcc ctggctgccc aggcggagct gcctcttctc ccgcggttg gtggaccgcg 240

tcagtacgga gttggggaag ctctttcact tcggaggatt gctcaacaac catgctgggc 300
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aatgccccaa tgactgacat caactccaag ggattggaat tgaggaagac tgttactaca 420
gttgagactc agaacttgga aggcctgcat catgatggcc aattctgcca taagccctgt 480
cctccagggtg aaaggaaaagc tagggactgc acagtcaatg gggatgaacc agactgcgtg 540
ccctgccaaag aagggaagga gtacacagac aaagcccatt tttcttccaa atgcagaaga 600
tgtagattgt gtgatgaagg acatggctta kaagtggaaa taaactgcac ccggacccag 660
aatmccaagt gcagatgtaa accaaacttt ttttgkaact ctactgtatg tgaacactgt 720
gaccttgca ccaaagtga acatggaatc atcaagggaat gcacactcac cagcaacacc 780
aagtgcaaaag aggaaggatc canatctaac ttgggggtggc ttgggcttct tcttttgcca 840
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<210> 188

<211> 833

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (798)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (803)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (809)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (812)

<223> n equals a,t,g, or c

<400> 188

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cagtnagact ctgtctcaaa ataaataaat aagtaaataag aacctcctga gctacccttg 120
cttataagga ttcagattac tttaggaaat taggcattag cactaggagg ggggaagatg 180
gctggcaaaa cttctagcta gcaacctatg tctagcacat gggtaactaa ccatagcgag 240
atcctgaaca catatcctct aggtgcagggt ggaggggaacg atgtccaata cctgaagcag 300
aatctcacat ggacggaacg tctgtatttc cctctcctgc acgaatcact catcattctt 360
ggagggcttc tctgcattcc tccttttctt ctctcccttc ccctgccttt tgtcttttct 420
aaagagtctg aactccgatt tccatgctct cctgctacat taataagcaa aacctgcttg 480

tgtgtacggt tctttactgg aaacatgact ttttgtttct gtatttggtt tactgtcatc 540
cagttttcta gtttaatatc tagcaaaact aaatctgaat gtactcgtt tttccgttaa 600
gtatgccaaag cacctcgggt gaaaggcttg actcaaacca gaagtcttgc tggatttcgt 660
ctctgaacac ttgaaaaaca gaaaccctga gccgcaacaa acatgcctct gtgtgtcggg 720
attgcctttg tctctgcttc catgtggctt ttccttttgt agctatgctt agtgacataa 780
tcttcctct tcaagcantc tgngttggn cttccccgtt ccccccccg tgc 833

<210> 189

<211> 2211

<212> DNA

<213> Homo sapiens

<400> 189

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cgagggcgat gaagaagcag aggaagaaca agaagagaac cttgaagcaa gtggagacta 180
taaattattca ggaagagata gtttgatttt tttggttgat gcctccaagg ctatgtttga 240
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gtacatcagt aagatcataa gcagtgatcg agatctcttg gctgtggtgt tctatggtac 360
cgagaaaagac aaaaattcag tgàattttta aaatatttac gtcttacagg agctggataa 420
tccaggtgca aaacgaattc tagagcttga ccagtttaag gggcagcagg gacaaaaacg 480
tttccaagac atgatgggccc acggatctga ctactcactc agtgaagtgc tgtgggtctg 540
tgccaacctc tttagttagt tccaattcaa gatgagtcac aagaggatca tgctgttcac 600
caatgaagac aacccccatg gcaatgacag tgccaaagcc agccgggcca ggaccaaagc 660
cgggtgatctc cgagatacag gcactcttct tgacttgatg cactgaaga aacctggggg 720
ctttgacata tccttgttct acagagatat catcagcata gcagaggatg aggacctcag 780
ggttcacttt gaggaatcca gcaagctaga agacctgttg cggaagggtc gcgccaagga 840
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tcagccagtt aaaatgtgtt tctcctgagc taggaagagt ctacccgaca taagtcgagg 2040
gactttatgt ttttgaggct ttctgttgcc atggtgatgg tgtagccctc ccactttgct 2100
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aaaaaaaaaa aaagtcgacc ggccgttaat ttagtagtag taggcggccg c 2211

<210> 190
<211> 1659
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1582)
<223> n equals a,t,g, or c

<400> 190
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tcgaagactg gagtaaatta catgctgagc tcagttagca aatcaaatac tttgagaagt 120
ctcagaaaaga tttggaagta gctcttactc acaaggatga taatattaat gctttgacta 180
actgcattac acagttgaat ctgtttagagt gtgaatctga atctgagggt caaaataaag 240
gtggaaaatga ttcagatgaa ttagcaaatg gagaagtggg aggtgaccgg aatgagaaga 300
tgaaaaatca aattaagcag atgatggatg tctctcggac acagactgca atatcggtag 360
ttgaagagga tctaaagctt ttacagctta agctaagagc ctccgtgtcc actaaatgta 420
acctggaaga ccaggtaaaag aaattggaag atgaccgcaa ctactacaa gctgccaaag 480
ctggactgga agatgaatgc aaaaccttga ggcagaaaag ggagattctg aatgagctct 540
atcagcagaa ggagatggct ttgcaaaaaga aactgagtca agaagagtat gaacggcaag 600
aaagagagca caggctgtca gctgcagatg aaaaggcagt ttcggctgca gaggaagtaa 660
aaacttacaa gcggagaatt gaagaaatgg aggatgaatt acagaagaca gagcgggtcat 720
ttaaaaacca gatcgtacc catgagaaga aagctcatga aaactggctc aaagctcgtg 780
ctgcagaaaag agctatagct gaagagaaaa gggaagctgc caatttraga cacaaattat 840
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caggaaaaac aaatacacia aaccctccac ggagaggctc tctgagccag aatgtctttt 960
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ttggcccaag agagtacttt attcctggta cccgattacc accccaacc catgggtccc 1560
aggaataccc accamcacct gnttggttaar gagratttat kgcgttcagt gttagagatg 1620
aggcctcaac tggcttctta gaggcattag ccagggatt 1659

<210> 191
<211> 3894
<212> DNA
<213> Homo sapiens

<400> 191
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<210> 192

<211> 695

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<400> 192

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<210> 193
<211> 3131
<212> DNA
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<220>
<221> misc feature
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<223> n equals a,t,g, or c

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3131

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<210> 194

<211> 2058

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2045)

<223> n equals a,t,g, or c

<400> 194

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acaatggtgc gatattcgga ttggctggag tcggccatca cgctccacgt acgccacttc 180

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<210> 195

<211> 831

<212> DNA

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (791)

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<221> misc feature

<222> (793)

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<220>

<221> misc feature

<222> (806)

<223> n equals a,t,g, or c

<400> 195

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<210> 196

<211> 961

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (923)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (947)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (953)

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<220>

<221> misc feature

<222> (954)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (960)

<223> n equals a,t,g, or c

<400> 196

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961

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<210> 197

<211> 606

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>
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<220>
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<222> (603)
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cgaccctncc cacaccctan ggtaccccag tcgtatcctc tgcccgcatg tgtggccagg 540
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canaaa 606

<210> 198
<211> 393
<212> DNA
<213> Homo sapiens

<220>
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<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<400> 198
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gackgccgcg gacacggmcg tgtattactg tgc 393

<210> 199
<211> 1061
<212> DNA
<213> Homo sapiens

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<222> (1035)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1056)
<223> n equals a,t,g, or c

<400> 199
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<210> 200
<211> 1359
<212> DNA
<213> Homo sapiens

<220>
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<222> (1005)
<223> n equals a,t,g, or c

<220>
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<222> (1128)
<223> n equals a,t,g, or c

<220>
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<222> (1342)
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<221> misc feature
<222> (1343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1344)
<223> n equals a,t,g, or c

<400> 200
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gcatgcgtgg tcttcacctt tggcatgttc tccgccggcc tctcggacct caggcacatg 180
cgaatgaccc ggagtgtgga caacgtccag ttcttgcctt ttctcaccac ggaagtcaac 240
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<210> 201
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (724)
<223> n equals a,t,g, or c

<400> 201
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ccagcagagc cggaaggcgc gccccgggca gagaaagccg agcagagctg ggtggcgctct 240
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gcagagcacc aagcgcttca tcaagtggta caacgcctgg aacgagaagc gcaggggtcta 600
cgaagaatag ggtgaaaaac ctcagaaggg aaaactccaa accagttggg agacttgtgc 660
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ggcnta 726

<210> 202
<211> 2714
<212> DNA
<213> Homo sapiens

<400> 202
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2714

<210> 203

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<400> 203

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ggaaggaaag acccaaggga gtggataact tggccctgga accctgacct tgtgtctcct 360
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gg

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422

<210> 204

<211> 2339

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2321)
<223> n equals a,t,g, or c

<220>
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<222> (2329)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2334)

<223> n equals a,t,g, or c

<400> 204

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<210> 205

<211> 1655

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (1548)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1559)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1564)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1623)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1643)
<223> n equals a,t,g, or c

<400> 205
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<210> 206

<211> 5145

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5143)

<223> n equals a,t,g, or c

<400> 206

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<211> 487

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

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<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<400> 207

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<221> misc feature
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<220>
<221> misc feature
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<220>
<221> misc feature
<222> (2285)
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<211> 625
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (25)
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<222> (26)
<223> n equals a,t,g, or c

<220>
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<222> (600)
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<400> 209
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<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (760)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1544)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1546)
<223> n equals a,t,g, or c

<400> 210
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<220>
<221> misc feature
<222> (801)
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<210> 212
<211> 1639
<212> DNA
<213> Homo sapiens

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<222> (1630)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<400> 212

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<210> 213

<211> 2127

<212> DNA

<213> Homo sapiens

<400> 213

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<210> 214

<211> 1166

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1163)

<223> n equals a,t,g, or c

<400> 214

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<210> 215

<211> 3323

<212> DNA

<213> Homo sapiens

<400> 215

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<210> 216

<211> 1408

<212> DNA

<213> Homo sapiens

<400> 216

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<210> 217

<211> 2111

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2104)

<223> n equals a,t,g, or c

<400> 217

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2111

<210> 218

<211> 2493

<212> DNA

<213> Homo sapiens

<400> 218

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<210> 219

<211> 1259

<212> DNA

<213> Homo sapiens

<400> 219

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<210> 220

<211> 1849

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (920)

<223> n equals a,t,g, or c

<400> 220

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gctctgaaat ggtttcccta cacagagtgg gttttggcaa gggttggaat gaggggaggt 1800
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<210> 221

<211> 1267

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1264)

<223> n equals a,t,g, or c

<400> 221

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tgagtaacga aagaggcttt gaaaatgtag aactgggagt cataggaaaa aagaagaaag 180
tcccaaggag agtcatccac tttgttagtg gtgaaacaat ggaagaatat agcacagatg 240
aagacgaagt tgatggcctg gagaagaaag atgttttgcc tactgttgat ccgacaaaac 300
ttacctgggg tccctactta tggttttaca tgcttcgggc tgctacatca actctctcag 360
tgtgtgactt ccttgagag aagattgcat ctgttttggg tatcagcacc ccaaagtacc 420
aatatgccat tgatgaatat tatcgatga agaaggagga agaagaagaa gaagaagaaa 480
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ttgttcagac agatcaacca gagacagtga tatccagctc atttgtgaat gtcaattttg 600
aaatggaggg agacagtga gtaattatgg aaagcaagca aaatccagtc tctgtccac 660
cataaaatga aatgactatc aagcttcaaa ctcttaagtt tttttttttt aatacaaaaa 720
ctttcacatt ctttattcag tgggacttaa tacaattatt tatattttta attattaaag 780
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cttntct 1267
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<210> 222

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (702)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (710)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (754)

<223> n equals a,t,g, or c

<400> 222

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gcaggataaa agaaatatga ggccccaatt ggaacagcag catggagggt ccagttggg 180
tccccaacgt gtcctccatg ggcaagacaa tggaaacttc cacaagcagg gaaggcaaac 240
cctctttatt gaacattagc cagcccagcc cagacccag ggctgctaag gacacagaga 300
ttctccatgg gaaggggact gccaaagcat aggaaataga agattcagg gcctgarctc 360
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tggaagctgc aagcaaaagg gatgggacta gggctgagtt gtgtctycat tttgataagg 420
aaaggatatg ctacactctt tgcttggtca gattccaaga cagaaggctt cacaaggcca 480
acgcctggaa aatgggcatc tctccctccc atgttaagct ttaacctctg taatctgcct 540
gtatctatag gtgggcatct cactccatca aaggagccca gcctcttttg tcctctacca 600
tgcacagtct ttctgtgcat ttccccaagc tgggacctct tctactctca tttaggcctg 660
tgataactca ttaccacccc atcacttggt tcttcagggc anacttggcn aagcagggaa 720
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<210> 223

<211> 1258

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1241)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1247)

<223> n equals a,t,g, or c

<400> 223

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gtggtggcac atggtgccct gacctccag gggccctggc gtttgccctc ttmgcttart 480
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<210> 224

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (577)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<400> 224

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gcatcaggca agtggctgga tggattcga aaatggattt acaatgctgc aggattcaat 120
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ttgaaacaaa caattttaag aattatttgg tctgaagatg ttttacttta aataaatgtc 480
tattgtaatg gcwnnaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggggnggc cgnt 584

<210> 225

<211> 3449

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2330)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3443)
<223> n equals a,t,g, or c

<400> 225
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tgacagcctg tatgagcaca tccaggatta ggataaggta ctttaagtacn tgccggccca 2340

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<210> 226

<211> 1866

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1859)

<223> n equals a,t,g, or c

<400> 226

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ggagcc

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<210> 227
<211> 1064
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

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<400> 227
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ctgcggcaaa gagatgagct tattgaggag aagcagcgca tgcagcagaa aatagacacc 180
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cagattagaa aactgaagct tcagttagag gaggaacgac agaaatgctc caggaatgat 480
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gatataacta ccttgagaca aagtattagc cggcttgagg gacaggttct gagatataaa 660
actgctgctg agaatgctga gaaagttaga gatgaattga aagcagaaaa acggaagcta 720
caacgagagt tacgaacagc actggacaag attgaggaga tggagatgac caacagccac 780
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gaaaaccacc cttcaacctg ggtgatgctc cttggggccc tacctagagg gactgacttt 900
tgtccattga cacaaacccc ttttagtact gttttgagtt ttgtcattaa aacagccacc 960
tttgtatttt ataatttatg acagratgaa gtcattttga atctacatga atgaacactt 1020
tggatttttg ttggagtttg attctagggt agaaccagtc catg

```

```

<210> 228
<211> 373
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (329)

```

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<400> 228

```
gctgcactct caggtattcc ctgctcttac tccaaaaaga tggacccagg tccgaagggg 60
cactgccact gtggggggca tggccatcct ccaggtcact gcggggccacc ccctggccat 120
ggcccagggc cctgcggggc accccccccac catggcccag ggccctgcgg gccaccccc 180
caccatggtc cagggccctg cggggccacc cctggccatg gcccagggcc ctgcggggcca 240
cccccccacc atggtccagg gccctgcggg cctccccctg gccatggccc aggtcaccca 300
ccccctggtc cacatcactg aggaagtana anaaaacagg acacaagatg gcaagcctga 360
gagaaattgc cca                                     373
```

<210> 229

<211> 2844

<212> DNA

<213> Homo sapiens

<400> 229

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cagttgamgg cctttacgaa gtgaaagagg ccgggaatcg cccctaccc gcttctcgta 120
gtcctgggag cacagcagaa gtgtttttct ttttttaatg aacaagtaaa ccatacaaat 180
tgtcaacatg ggacggagat ctacatcatc caccaagagt ggaaaattta tgaaccccac 240
agaccaagcc cgaaaggaag cccggaagag agaattaaag aagaacaaaa aacagcgcac 300
gatgggttga gctgcagttt taaagatgaa ggatccaaaa cagataatcc gagacatgga 360
gaaattggat gaaatggagt ttaaccagat gcaacagcca caattaaatg agaaagtact 420
gaaagacaag cgtaaaaagc tgcgtgaaac ctttgaacgt attctacgac tctatgaaaa 480
agagaatcca gatatttaca aagaattgag aaagctagaa gtagaatatg aacagaagag 540
ggctcaactt agccaatatt ttgatgctgt caagaatgct cagcatgtgg aagtggagag 600
tattcctttg ccagatatgc cacatgctcc ttccaacatt ttgatccagg acattccact 660
tcctggtgcc cagccacctt ctatcctaaa gaaaacctca gcctatggac ctccaactcg 720
ggcagtttct atccttctct ttcttggaca tgggtgtcca cgtttgcccc ctggcagaaa 780
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tcctccattc ctgagaccac ctggaatgcc aggaactccga gggcccttac cccgactttt 1560
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gcctcctggt cccctcctc gtggaccccc accaaggcta cctccccctg cacctccagg 1680
tattcctcca cctcgtcctg gcatgatgcg cccacctttg gtgcctcccc ttggacctgc 1740
```

```

ccccctggg ctgttccac cagctccctt gccaaaccct ggggttttaa gtgccccacc 1800
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cacagcaacc atcagtcca agccacagat cactaatccc aaggcagaga ttactcgatt 1920
tgtgccact gcactgagag tacgtcggga gaataaagg gctactgctg ctcccaaag 1980
aaagtcagag gatgattctg ctgtgcctct tgccaaagca gcacccaaat ctggtccttc 2040
tgttcctgtc tcagtacaaa ctaaggatga tgtctatgag gctttcatga aagagatgga 2100
agggtactg tgacagcttt tgatgccaga aaaggcttct gttcacaaca gtggcccatg 2160
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tttcatacca ccattttcac cctgtttctt cccctcctcc agttcttttg aaatttgatga 2400
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gatttctgga gaaaaaaaaa cagtttattt catcttgctt tttgtgtttg agttattttt 2520
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gatactctgt gttactgata atatgtaaac ataataccta ttttatggga caggaaaaag 2760
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2844

```

<210> 230

<211> 1798

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1798)

<223> n equals a,t,g, or c

<400> 230

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tcccgggtcg acccacgcgt ccggcccagc actagaagtc ggcggtgttt ccattcgggtg 120
atcagcactg aacacagagg actcaccatg gagtttgggc tgagctgggt tttcctcggt 180
gctcttttaa gaggtgtcca gtgtcagggtg cagctgggtg agtctggggg aggcgtgggtc 240
cagcctggga ggtccctgag actctcctgt gcagcstctg gattcacctt cagtagctat 300
ggcatgcact ggggtccgcca ggctccaggc aaggggctgg agtgggtggc agttatatsr 360
tatgatggaa gtaataaata ctatgcagac tccgtgaagg gccgattcac catctccaga 420
gacaattcca agaacacgct gtatctgcaa atgaacagcc tgagagctga ggacacggct 480
gtktattact gtgcaraga ngttactatg gttcggaag catctactac tactttgact 540
ctggggccag ggaacmctgg tcaccgtctc ctcagcctcc accaaggggc catcggtctt 600
ccccctggca cctcctcca agagcacctc tgggggcaca gcggccctgg gctgcctggt 660
caaggactac ttcccgaac cggtgacggt gtcgtggaac tcaggcgccc tgaccagcgg 720
cgtgcacacc ttcccggtg tctacagtc ctcaggactc tactcctca gcagcgtggt 780
gaccgtgccc tccagcagct tgggcacca gacctacatc tgcaacgtga atcacaagcc 840
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tgccaagaca aagccgcggg aggagcagta caacagcacg taccgtgtgg tcagcgtcct 1140
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ctayagcaag ctcaccgtgg acaagagcag gtggcagcag ggaacgtct tctcatgctc 1500
cgtgatgcat gaggctctgc acaaccacta cacgcagaag agcctctccc tgtyccggg 1560
taaagtagtg cgacggccgg caagcccccg ctcgccgggc tctcgcggtc gcacgaggat 1620
gcttggcacg taccctgtst acatacttcc crggcrccca gcatggaaat aaagcaccca 1680
scrctgccct gggcccctgc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1740
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaawaa aaaaaaaaaa aaaaaaan 1798
```

<210> 231

<211> 1823

<212> DNA

<213> Homo sapiens-

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1593)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1714)

<223> n equals a,t,g, or c

<400> 231

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gtgcctgcc acccgcttcg gccacggcca gacgcccgcg gccttcctca gcgctctgct 60
gccctcgag ccgcccgcg gncggtcaac gccctggggc tgcccaaggg tgtcaccccc 120
gcagatttcc aaagaaggcc agtagaactg ctagaatagc ctccgatgag gaaattcaag 180
gcacaaagga tgctgttatt caagacctgg aacgaaaact tcgcttcaag gaggacctcc 240
tgaacaatgg ccagccgagg ttaacatacg aagaaagaat ggctcgtcga ctgctagggtg 300
ctgacagtgc aactgtcttt aatattcagg agccagaaga ggaaacagct aatcaggaat 360
acaaagtctc cagctgtgaa cagagactca tcagtgaat agagtacagg ctagaaaggt 420
ctcctgtgga tgaatcagggt gatgaagttc agtatggaga tgtgcctgtg gaaaatggaa 480
tggcaccatt ctttgagatg aagctgaaac attacaagat ctttgaggga atgccagtaa 540
ctttcacatg tagagtggct ggaaatccaa agccaaagat ctattggttt aaagatggga 600
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aagcagcgtt ccaacctgag gccaaacct ctnacctgac actgaatact gccttggtag 1620
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scttgacca catattcctt tgtcacatta tgnaaaggc agaamcatac ctttgctatt 1740
agaaattaaa aaaacaccaa aatatatttt ctacttgaat accaacttag ttaagtaga 1800
taatgctaata acaaatatac aca
```

1823

<210> 232

<211> 970

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (936)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (960)

<223> n equals a,t,g, or c

<400> 232

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acccccgagg agcggccggc tggcgtccgc cgcgccagg agttggggat gtcctacaaa 120
cccatcgccc ctgctcccag cagcaccctt ggctccagca cccctggggc gggcaccccg 180
gtccctacag gaagcgctcc gtcgcccgtc ggctcagtgc caggagccgg cgctcctttc 240
agaccgctgt ttaacgactt tggaccgctt tccatgggct acgtgcaggc gatgaagcca 300
cccggcgccc agggctccca gagcacctac acggacctgc tgtcagtcac agaggagatg 360
ggcaaagaga tccggcctac ctatgctggc agcaagagcg ccatggagcg cytgaagaga 420
ggaagcgctt cggcctcagc gtctggacct atccggccac tgcagagcac ccgcttctcc 480
ctggccttca tcccagattg cactaaccat cctgggcttc ctgtcctgtg tcccttggtg 540
ggtcccttcc aggaaccaag gagtggccct ccagggtgga gcaactaagga ccccccccca 600
caacaagagt tagcagcgag gtcccatga gtccacacca tgacctgccg acagtgttgc 660
ccaccggaac ttttgtggcc cctaccgctc agcccttccc agcaacttctc ccactttgtc 720
ccgagcctcc ttctcccca gcaggggcac aggcctggca cctccctgcc ttgtgtcctg 780
agccatagtg actcttttat ctgtgtgtct tttgtctaat atgccctttt tatattaata 840
aaagatgatt tggagttgtg ctctcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 900
aaaaaaaaagg cgccgctct agaggatcca tgcttnacgt acgcgtgcat gcgtacgctn 960
ttgctcttct                                     970
```

<210> 233

<211> 967

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (923)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (926)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (955)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (957)

<223> n equals a,t,g, or c

<400> 233

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gccccaggac atgcagaacc ttcctctaga acccgaccca ccaccatgag gtcctgcctg 120
tgagatgca ggcacctgag ccaaggcgtc cagtggctct tgcttctggc tgtcctggtc 180
ttctttctct tcgcttggcc ctctttttatt aaggagcctc aaacaaagcc ttccaggcat 240
```

```

caacgcacag agaacattaa agaaaggtct ctacagtccc tggcaaagcc taagtcccag 300
gcacccacaa gggcraggag gacaaccatc tatgcagagc cagygccaga gaacaatgcc 360
ctcaacacac aaacccagcc caaggcccac accaccggag acagaggaaa ggaggccaac 420
caggcaccgc cggaggagca ggacaaggtg cccacacag cacagagggc agcatggaag 480
agcccagaaa aagagaaaac catggtgaac aactgtcac ccagagggca agatgcaggg 540
atggcctctg gcaggacaga ggcacaatca tggaagagcc aggacacaaa gacgacccaa 600
ggaaatgggg gccagaccag gaagctgacg gcctccagga cgggtgtcaga gaagcaccag 660
ggcaaagcgg caaccacagc caagacgctc attyccaaaa gtcagcacag aatgctggct 720
yccacaggag cagtgtcaac aaggacgaga cagaaaggar tkaccacagc agtcatccca 780
cctaaggaga agaaacctca ggccacccca cccctgccc ctttcagag cccacgacg 840
cagagaaacc aaagactgaa gggcggcaac ttcaaactg agcctcggtg ggattttgag 900
gaaaaataca agcttcgaaa tanganggtc tcagacgact tggccttgac tctgnngaga 960
tcaaaag

```

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<210> 234
<211> 2163
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (1140)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (1157)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (1158)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (1166)
<223> n equals a,t,g, or c

```

```

<400> 234
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ctgcacygcc gacctgctgg tggggcgcgc catgactttc catggccacg gcttccttcg 180
cctggcgctc tcgaacgtgg caccgctcac tggcaacgtc tactccggct tcggcttcca 240
cagcgccccag gacagtgcct tgctctacta ccgggcgtcc ccggatgggc tatgccaggt 300
gtccctgcag cagggccgtg tgagcctaca gtccttgagg actgaagtga aaactcaagc 360
gggcttcgcc gatggtgccc cccattacgt cgccttctac agcaatgccca cgggagctctg 420
gctgtatgtc gatgaccagc tccagcagat gaagccccac cggggaccac cccccagct 480
ccagccgcag cctgaggggc ccccagaggt cctcctggga ggctgcctg agtctggcac 540
catttacaac ttcaagtggct gcatcagcaa cgtcttcgtg cagcggtccc tgggcccaca 600
gcgcgtatct gatctgcagc agaacctggg cagcgtcaat gtgagcacgg gctgtgcacc 660

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cggcctgcaa gccagaccc cgggectggg gcctagagga ctgcaggcca ccgcccggaa 720
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caggaccacc cgagactcct accagtttgg gggttccctg tccagtcacc tggagtttgt 840
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cccggccctc agtgctgtgt gatggccagt ggcaccggct agcgggtgat aaaagcggga 1620
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ctgcagctgg tgccccagcc cctctgtacc tcgggggcct gcctgagccc atggccgtgc 1740
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ttatatttgg cccttccacc catttttaat tgtgagagat ttgtcaccaa tcatcactgg 2100
ttcctcctta aaaattaaaa agtaacttct gtgtaaaaaa aaaaaaaaaa aaaaaaaaaa 2160
aaa 2163

<210> 235

<211> 1321

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1320)

<223> n equals a,t,g, or c

<400> 235

gcgcgacgcc gccacctccg gaacaagcca tgggtggcggc gacgggtggca gcggcggtggc 60
tgctcctgtg ggctgcggcc tgccgcgacg aggagcagga cttctacgac ttcaaggcgg 120
tcaacatccg gggcaactg gtgtcgctgg agaagtaccg cggatcggtg tccctgggtg 180
tgaatgtggc cagcaggtgc ggcttcacag accagcacta ccgagcccctg cagcagctgc 240
agcagagacct gggccccccac cacttcaacg tgctcgccct cccctgcaac cagtttggtc 300
aacaggagcc tgacagcaac aaggagattg agagctttgc ccgccgcacc tacagtgtct 360
cattccccat gtttagcaag attgcagtca ccggtactgg tgcccatcct gccttcaagt 420
acctggccca gacttctggg aaggagccca cctggaactt ctggaagtac ctagtagccc 480

```

cagatggaaa ggtggtaggg gcttgggacc caactgtgtc agtggaggag gtcagacccc 540
agatcacagc gctcgtgagg aagctcatcc tactgaagcg agaagactta taaccaccgc 600
gtctcctcct ccaccacctc atcccgccca cctgtgtggg gctgaccaat gcaaaactcaa 660
atggtgcttc aaagggagag acccactgac tctcctcctt ttactcttat gccattggtc 720
ccatcattct tgtgggggaa aaattctagt attttgatta tttgaatctt acagcaacaa 780
ataggaactc ctggccaatg agagctcttg accagtgaat caccagccga tacgaacgtc 840
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cctgtgaaag tgcctaggca gtgccagcca aataggaggc attcaatgaa cattttttgc 1020
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cgatgataat ccaggccaaa ggttttagttg ttgttatttc ctctgtatta ttttcttcat 1140
tacaaaagaa atgcaagtgc attgtaacaa tccaaacaat acctcacgat ataaaataaa 1200
aatgaaagta tcctcctcaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1260
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aanggggggn 1320
c                                     1321

```

<210> 236
 <211> 683
 <212> DNA
 <213> Homo sapiens

```

<400> 236
tcgacccacg cgtccgagca gctgctgcag ggcccatggc ggacacccag tacatcctgc 60
ccaatgacat cggcgtgtct agcctggact gccgtgaggc ctccgcctg ctgtcaccca 120
cagagcgcct ctatgcctac cacctgtccc gtgcgcctg gtacggaggc ctggctgtgc 180
tgcttcagac ctcccctgag gcccctaca tctatgctct gtcagccgc ctcttccgcg 240
cccaggaccc cgaccagctg cgccaacatg ccttggtga aggccttacc gaggaggagt 300
atcaggcggt cctggctctat gccgcgggtg tttactcaa catgggcaac tacaagtcct 360
ttggtgacac caagtttggt cccaacttgc ccaaggaaaa gctggaacgg gtgacccatg 420
ggagtgaggc tgctcagcag caccagaag aagtcagggg cctctggcag acctgcgggg 480
agcttatgtt ctctctggag ccaaggcttc gacacctcgg actggggaag gagggaatca 540
ccacctatct ctctgggaat tgtaccatgg aagatgccaa attggccmag atttctggac 600
tcacagaacc tyartgccta caacaaccgg stcttyaaag aagtcsatgg garaaaggaa 660
rccctamtac gaaggtgcgg gtt                                     683

```

<210> 237
 <211> 2115
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (2112)
 <223> n equals a,t,g, or c

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<400> 237
attccggggt cgacccacgc gtccgggctc cggcaaccgc tccggcaacg ccaaccgctc 60
cgctgcgcgc aggtctgggt gcaggctctc ggctgcagcg ctggggctct gctttgtctc 120
ccaggctggg gtgcagtggg gcgaccacgg ctcacggcag cctcagccac ccagatgtaa 180
gcgatctggg tcccacctca gcctcccag tagtggtatc aggatccggc ttccaacatg 240
tggcagctct gggcctcctt ctgctgcctg ctggtgttgg ccaatgcccg gagcaggccc 300

```

tctttccatc ccstgtcgga tgagctggtc aactatgtca acaaacggaa taccacgtgg 360
caggccgggc acaacttcta caacgtggac atgagctact tgaagaggct atgtggtacc 420
ttcctgggtg ggcccaagcc accccagaga gttatgttta ccgaggacct gaagctgcct 480
gcaagcttcg atgcacggga acaatggcca cagtgtccca ccatcaaaga gatcagagac 540
cagggtcctt gtggctcctg ctgggccttc ggggctgtgg aagccatctc tgaccggatc 600
tgcatccaca ccaatgcgca cgtcagcgtg gagggtgtcg cggaggacct gctcacmtgc 660
tgtggcagca tgtgtgggga cggctgtaat ggtggctatc ctgctgaagc ttggaacttc 720
tggacaagaa aaggcctggt ttctgggtggc ctctatgaat cccatgtagg gtgcagaccg 780
tactccatcc ctccctgtga gcaccacgtc aacggctccc ggcccccatg cacgggggag 840
ggagataccc ccaagtgtag caagatctgt gagcctgggt acagcccgac ctacaaacag 900
gacaagcact acggatacaa ttctacagc gtctccaata gcgagaagga catcatggcc 960
gagatctaca aaaacggccc cgtggaggga gctttctctg tgtattcgga ctccctgctc 1020
tacaagttag gagtgtacca acacgtcacc ggagagatga tgggtggcca tgccatccgc 1080
atcctgggct ggggagtgga gaatggcaca ccctactggc tgggtgcca ctccctggaac 1140
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gaatcagaag tgggtggctgg aattccacgc accgatcagt actgggaaaa gatctaattc 1260
gccgtgggccc tgtcgtgcca gtcctggggg cgagatcggg gtagaaatgc attttattct 1320
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cagacctgtc ttccaaggag accaagtcct ggctacatcc cagcctgtgg ttacagtgc 1440
gacaggccat gtgagccacc gctgccagca cagagcgtcc ttccccctgt agactagtgc 1500
cgtagggagt acctgctgcc ccagctgact gtggccccct ccgtgatcca tccatctcca 1560
gggagcaaga cagagacgca ggaatggaaa gcggagttcc taacaggatg aaagttcccc 1620
catcagttcc cccagtacct ccaagcaagt agctttccac atttgtcaca gaaatcagag 1680
gagagatggt gttgggagcc ctttggagaa cgccagctc ccaggcccc tgcatctatc 1740
gagtttgcaa tgtcacaacc tctctgatct tgtgctcagc atgattcttt aatagaagtt 1800
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tgctagtttt acagattgcc tcctaatgac gcggctcaaa aggaaaccaa gtggtcagga 1920
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tttactgttt ttgaaaaatt acagcttcac cctgtcaagt taacaaggaa tgcctgtgcc 2040
aataaaaggt ttctccaact tgaaaaaaaa aaaaaaaaaa aaamwmgggg ggggcccgta 2100
cccattggcc tntgg 2115

<210> 238

<211> 1642

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1633)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1638)

<223> n equals a,t,g, or c

<400> 238

taagcaggca ctagaggacc tggagcgcac atcaggccgt ggcaccctga tgtcgccacc 60
atgctcaaca tccttgcttt ggtgtatcgt gaccagaata agtataagga agctgcccac 120
ctgctgaatg atgcccttag catccgggag agcaccttgg gacctgacca tcctgctgtg 180

```

gctgccacac tcaacaattt ggctgtgtct tatggcaaaa ggggcaagta caaggaggca 240
gagcctctgt gccagcgggc actggagatt cgagaaaagg tcctgggcac gaatcatcca 300
gatgtggcaa aacagctgaa caacctggcc ctcttgtgcc aaaaccaggg caagtatgag 360
gccgtggaac gctactacca gcgagcaact gccatctacg aggggcagct ggggccggac 420
aacccaatg tagcccgga caagaacaac ctggcttcct gttacctgaa acagggcaaa 480
tatgctgagg ctgagacact atacaaagag atcctgacct gtgcccattg acaggagtgt 540
gggtctgtgg atgatgacca caagcccatc tggatgcatg cagaggagcg ggaggaaatg 600
agcaaaagcc ggcaccatga ggggtgggaca ccctatgctg agtatggagg ctggtacaag 660
gcctgcaaag tgagcagccc cacagtgaac actactctga gaaacctggg agctctgtat 720
aggcgccagg gaaagctgga ggctgctgag accctggagg aatgtgccct gcgggtcccg 780
agacagggca ctgaccctat cagccagacg aagggtggcag agctgcttgg ggagagtgat 840
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gcttctgtgg ctgtggagtg gtccggggat ggcagtggga ccctgcagag gagtggctct 960
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aaccaaccta gtgcagcacc cctccaggtc tcccggggcc tcagtgccag caccatggac 1140
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acagccctca cagcattccc cattgtcctt ggctcttccc caccctagg tgggacagt 1260
aaggggagca gtttaaccag aagattgctg ctgcccttag ggtctcagct ccctcctcag 1320
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agctagctct gaggcccaa ggtgggtaca aagcagggtat ggccctcaga gatgcagct 1440
gctgctggct tttagtcag agggttgggg gctggccagc caagctgcct tgccctggcc 1500
gctcttactc cctccctctg ctgtctcact tcagggtccat gtatttcact tttcttaa 1560
aaaagaatca ggtaacctta aaaaaaaaaa aaaaaaaaaa cttggggggg gccccgaacc 1620
caatttgccc canaggngng cg 1642

```

<210> 239

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<400> 239

```

gcggacgcgt gggcctggtc tcagtattggc gctgtcctgg gttcttacag tcctgagcct 60
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aacgccaccc tggaccggat cactggcaag tggttttata tcgcatcggc ctttcgaaac 180
gaggagtaca ataagtcggt tcaggagatc caagcaacct tcttttactt taccaccaac 240
aagacagagg acacgatctt tctcagagag taccagacct gccagaacca gtgcttctat 300
aactccagtt acctgaatgt ccagcgggag aatgggaccg tctccagata cgaggaggcg 360
cgagaaacat gttgctcacc tgctgttcct tagggacacc aagaccttga tgtttggtty 420
ctacctggac gatgagaaga actgggggtg tctttctatg ntgacaag 468

```

<210> 240

<211> 1329

<212> DNA

<213> Homo sapiens

<400> 240

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gcctgtaatc ccagcacttt gggaggccga ggtgggagga ttgcttgagt ccaggaattt 120
gagaccagcc tggacaacac agtgagacct catctctatc aaaaaataaa aattagctag 180
atgtggtggc atgagcctgt gttcccagct gcttaggagg ctgaagcagg aggattgatt 240
gagcctgcga ggccaaggct gcagcaggct gtgattgcac cactgcactt cagcttgggc 300
aacagagcaa gaccctgtct ccgaaacaaa taaaaaatac tgtaataaaa gtacttataa 360
acatactaac cctctttcag gaccctaaag ttgcaggtta gtaggtcttc aaggacaaat 420
ctgtaagttt cttattttctg tagtgcaagt aaaatttcac tttttgaaac tatagagaga 480
tccctttctg attagcctac agaacttaaa gtgagggaac catttcctct cacagacaaa 540
gaggcctggg atattaggac tttgggggtt gagagcatca tggggcagac agatggtgga 600
tggtctggag aagaagcgag taagccactg cggttggtca tactgaaggg aattgatggc 660
aagaggatcc cctgagcaag tcagaagtta ctctcatcag tcgttcatgg tcacaacctg 720
aggtagctct ctgagtggc aaggctgaag aagaggcctg tggaatgcag cattacctgc 780
tggacagagc agggcaggca gttctatgcc ttggagctcc tgactgcagg gactctgtcc 840
ccacactcar aaagactcag ctactcaat gagagaatgt gatttacttt atagaacgta 900
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ctgtggctct aagagagtaa tcataaaaata ccttagataa aattgcacta tggaaattttc 1080
attgagtatg tttaaattat tggcttgtct actaatacac atctgcttca aaatgaacat 1140
atttcataaa attggcatca attttaatga cgctcctggg atggaacctc agatataccc 1200
tattggagac aatcctttga tcataaattc tccccacta taaatcattt tatgtcttta 1260
tcawaaaaaa aaaaaggaat tcgatatcaa gcttatcgat accgtcgacc tcgagggggg 1320
gcccgtacc 1329

<210> 241

<211> 1652

<212> DNA

<213> Homo sapiens

<400> 241

gagcayttcg gcaactggca aaaattaggt gtacagggat ctaggtaata ctgtttattt 60
gagcaataat atattgtgct aacgttcagg catcctatta ctgagaaata agggaaaatg 120
agtgtaaagt acaactaaga gtctcggcta cagggaataa taccatcagt taaatatcca 180
tagtcttaga gcatttatgt aaaactgcaa tttgaatcct gcaatacatt ttggcttttt 240
cctcagtgat accatgtgtg ggaagtgtt ctgtcaaggg gggctcgata atttgccctg 300
gaaaggacgg atagtgaact tcctgacatg taraacattt gatcctgaag acacaagtca 360
agaaatargc atggtggcca atggaactaa gtgtggcgat aacaagggtt gcatkaatgc 420
agaatgtgtg gatattgaga aagcctacaa atcaaccaat tgctcatcta agtgcaaagg 480
acatgctgtg tgtgaccatg agctccagt tcaatgtgag gaaggatgga tccctcccga 540
ctgcgatgay tctcagtgg tcttccactt ctccattgtg gttggggtgc tgttcccaat 600
ggcggctcatt tttgtggtgg ttgctatggg aatccggcac cagagctcca gagaaaagca 660
gaagaaagat cagaggccay tatctaccac tggcaccagg ccacacaaac agaagaggaa 720
accccagatg gtaaaggctg ttcaacccca agagatgagt cagatgaagc cccatgtgta 780
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cctgagaacc tttgcatgaa tttaaaattt caattatcca ttcttataag aaggaagatg 1140
attgtaaaga aatatctccg aagttaaaat ctgtaatagg aattgattca ttctctaagt 1200

aaaacaaaac ataaaaacat cacactaatc ttggagggaat aagaaaaatt gtacatccat 1260
taaagtgtaca attgattgca acatcttgat tgttttaacc attaacttgt caaattacaa 1320
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actttttaaa tggagaaaaat ttcagttaaa ttaataggat aaaccagggt gcgaactggg 1560
gacctgtagg ccatgtttgc actgcaaata tatttggtct gaatgatatt gaaaaaaaaa 1620
aaaaaaaaaa ctcgaggggg ggcccgtacc ca 1652

<210> 242

<211> 1946

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (538)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1932)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1941)

<223> n equals a,t,g, or c

<400> 242

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tgctctgcct ctaccgcgtg ctangcccgc gcaactacgg gcagctgggt ggtgggcccg 120
ggcggcggag gcgcggggag ctgccctgcg acgactacgg ctatgcgcca cccgagacgg 180
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gcatgctgct ggtgagctgc tgccctggcag gccacatctg cgtgtgggac gcgcagaccg 300
gggattgcct aacgcgcatt ccgcgcccag gcaggcagcg ccgggacagt ggcgtgggca 360
gcgggcttga ggctcaggag agctgggaac gactttcaga tgggtgggaag gctggtccag 420
aggagcctgg ggacagccct cccctgagac accgcccccg gggccctccg ccgccttccc 480
tcttcgggga ccagcctgac ctcacctgct taattgacac caacttttca gcgcagcntc 540
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aagagccgag tatcttccag ccgctgcctc ctgactgtaa taatattaaa ctttttttaa 1860
aaaccataaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1920
aaaaaaaaaa anaaaaaaaaa nggggg 1946

<210> 243

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (472)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (500)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (507)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (513)

<223> n equals a,t,g, or c

<400> 243

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cccttctccc cattcctacc tctcttttat taaaaatttt atagttacag tgtctatgtt 180
gcccagcctg gtcttgaacc ctttggtcga agtgatccac ctgccttggc ctcccaaagt 240
gctgggatta cagatgggag ccacgtgtgc tggccattc ctgcctctta aagccctnca 300
cccaacaggc agacttgaga ctcaaaccgt ggtccagct cttgcatcag gggtagtttg 360
ggaattcaaa atctttcaaa ctggggtaaa aaccaggccc agaattcaga gttcaaccaa 420
caagctttcc aagaatgccg gcccaaagga aaaaagtggg ttcttgaaa anccggggaa 480
aaggggggtg caancctttn gggagtnaca agngcttg 518
```

<210> 244

<211> 621

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (569)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (593)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (609)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (612)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<400> 244

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gggaagggtcc atgggttgat acctcaggtc aaaaatgtgt ttactctgtt gattgctgtt 60
tcacttttact tgtatatcag atatataagc tatgaacaca agtttgtagt aaaagtatct 120
```

```
tctgtctggg caatggctca cacctgtaat tccaacactt tggggggctc aggtgggagg 180
atctctagtc cccaggagtt tgagaccagc ctggggcaata aactagacct catgtctcta 240
aaaaatgtaa aaaacatcaa gagggctgagt caggaggatc atttgagctt aggagttcaa 300
ggctgcagta agttatgatt gtgccactgc attccagcct gggtgacaag agtgagacct 360
tgacccaaaa aaagtatctt ctgataaagt ggcatttgaa aattgcagaa aattttaata 420
ttttttcttt taatattaag aactttattg atctctctan gacaccttgg tgaggaaatt 480
aatggcactt ttcttgacat tcaacctggg actttgggtg attctgggtt ctggggaatt 540
taaagtttca acatttcttt ggggcacctt ttacaagggg tttggccctt ggnaccttat 600
gaccggtcna anggtccaaa n                                         621
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<210> 245

<211> 480

<212> DNA

<213> Homo sapiens

<220>

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<222> (340)

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<220>

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<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (431)

<223> n equals a,t,g, or c

<220>

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<220>

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<222> (458)

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<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<400> 245

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gcgcctgtag tcccagctac tcgggaggct gaggcgggag tatgacttga acctgggagg 120
cggaggttgc agtgagctga gattgtgccca ctgcactcca gcctgggtga cagagcaaga 180
ctccgtttca gaaaaaaaaa aaaactgtgt ctcatcattg cactgttctt ttaaaattgt 240
atatatatat ttttcttgca gatacactct ggaaatgatt aaactagtag cacataatga 300
aagtgcattg aactatttga aagggtttt gcaggatcgn ggtctttcca aatatcccaa 360
tctgtnaaat caattacctt gatttacaac caagtcaaag ttccccctac ctaattgcct 420
ttcttgggga naccatgaag acatgcnaga aaaccagnng gacaataang gagacatcct 480

<210> 246

<211> 451

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (135)

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<220>

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<222> (198)

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<222> (309)

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<220>
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<220>
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<222> (434)
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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<400> 246

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caccgtatta gccaggatgg tctcgatctc ctgacctcgt gntccgngcn cctcggcctc 120
ccaaaagtgt ggganttaca ggcgtgagcc accgtgcccg gcctgattct cttaaaattg 180
aagagggtgt gccaaagnct tcagatctaa cgcagatgca tagaccttgt tcatgggtact 240
tggttcagcct gtgctgggga gccgtgggtc cgagtttcct gggaggntga caggggtgaag 300
ccaccgtanc caccnaccnc cganttcncn tncgctttct tntcagcant aggattaaag 360
ggatttttgaa tgaagcaant tttaaggggt aggagggtgt ggggaaaata aataattatt 420
caagtaaggc cttnggggnt ttaggggggt n 451
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<210> 247

<211> 530

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<400> 247

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aacttctcct ggtctctcag ctggggccac tgtcggcatc atgattggag tgctggttgg 120
gggtgctctg atatagcagc cctggtgtag tttcttcatt tcaggaagac tgacagttgt 180
tttgcttctt ccttaaagca tttgcaacag ctacagtcta aaattgcttc tttaccaagg 240
atatttacag aaaagactct gaccagagat cgagaccatc ctagccaaca tcgtgaaacc 300
ccatctctac taaaaataca aaaatgagct gggcttggtg gcgcacacct gtagtcccag 360
ttactcgggg aagctgaggg aggagaatcg cttgaacccg ggantggaga ttgcagtgag 420
cccagatcgc accactgcac tccagtctgg ccaacagagc aagactccat ctcaaaaaag 480
aaaagaaaag gagactctga cctggtactc ttgaatacaa gtttctgata 530
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<210> 248

<211> 635

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (484)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (635)
<223> n equals a,t,g, or c

<400> 248
ggtggcaggt gcttataatc ccagctactc tggggggccaa ggcaggagaa ttgcttgagc 60
ctgggagatg gaggttgcag tgagctgaga tcatgccact gcactccagc ctgggcaaca 120
gagcaagact ctgcctcaaa aaaaaattaa aataaattta aatacaaaaa aaaatagcca 180
ggtgtgggggt gcatgcctgg aatcccagct acttganaag gctnaaggca ccaanaattg 240
cttgaaccca ggaggtggag gttgcagtga gccaaagatca caggagccac tgcactccag 300
cctgggtgac agagtgcagc tctgtctcaa aaaaaaaatt aaataaatta ttataacctt 360
tcaaaaatgc tgtgtgcatt ttcattgttct tttttttaac attactgnca ctctccctaa 420
tgaaatggac ttcaaanaag cagtattttg ttaaataaat acataacctc attctgaata 480
atgnccctca ttttgactat aactgggctt ggnttnaaaa gcaaaaattta acaaaaattt 540
aatccccttc caaaggaacn ttgggtancc tgggtnaaaa aatgccaaat ggggtacttt 600
tanttaaaat ttggaattta acatcttttt tggan 635

<210> 249
<211> 360

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<400> 249
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cccagggttta aggggtggttt atggccatac gtggagggttt tttgttggtg tttttganac 120
tgagtttcac tcttggttgcc caggctggag tgcaatggca ccatctcggc tcaactgcaac 180
ctccacctcc tggttcaagc gatctcaggc ctcagcttcc caagtagttg ggattacagg 240
cgcctgccac cacacctggc taattttgta tttttagtan anatgggggt ctccatggtg 300
gtcangctgg tctcaaactc ccgaactcaa gtgatctgcc cgccttgggc tcccaaaatn 360

<210> 250
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 250
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cgccattgca ctccagcctg ggcaacaaga gcgaaaccct gtctcaaaaa aaaaacaaaa 120
aaccaccaca aaactaggag cctggaaggc cggactgggt ctccgtggga ggggcctggg 180
tctggagagc agggcagggt ctctgggcc taggggatgg ggatggggct ggggtctcaga 240
ggaggcaggg ttacgtgca gaagagcggg cttggtctcc ggggtcccga gtgggtgacg 300
cgggcccgcca cagggtgctt ctgaagggtga gccggctgga ggcacaactg ctctgggagc 360
gctaccccgga gtgcgggaac ctgctgctgc ggccancgg ggacggcgcc gacggcgtgt 420
cggtcaccac tcggcngatg ccaacnggaa cgcacgtgnn ccgg 464

<210> 251
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
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<222> (77)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
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<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<400> 251
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gtcgaccac gcgtttngct ccttggtcag gctgggtctgg aactggcgac ttnggggtgat 120
ccgcccgcct cggcctccca aagtgggtggg attacaggtg tgagccaccg tgcccagccc 180
tgaaatagtc ttaattgctt gnttttcttn tttgtctgan gtgtgctttt taaaatctct 240
atggagatgg agaagactga cattntctgg cctgatgtga aaaacctctc attaaaaacc 300
gngtntgtag ntttg 315

<210> 252
<211> 333
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (79)
<223> n equals a,t,g, or c

<220>
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<222> (141)
<223> n equals a,t,g, or c

<220>
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<222> (196)
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<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<400> 252

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gggctaattt gtgtattttt agtggaaacg gggttttgcc acgttggcca ngctggtctc 60
gaactcctga cctcaggtna tccacccacc ccagcctccc aaagtgctgg gattacaggc 120
gtgagccact gagcccagcc nacttttcag tttttaacat aatttttggt ttatccacaa 180
cttttcaagt attganagtn caataaaaaa catgggttct tagtctgtaa ctntctgtta 240
aagcctatga atnncttctg aaaatcatgt ttttaaagtc ataaaatata tacgattacg 300
anngaatctt attattgtcg aaatncagtt att 333
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<210> 253

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (250)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

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gtataaatgt tacttaaaaa aaatatatatt ggccgagcac agtgggtcac gcctgtaatc 60
cccacacttt gggaggccga ggcgggcaga ttgcctgagg tcaggaattt gagatcagcc 120
tggccaacat gatgaaaccc cgtctctact aaaaatacaa aaattagccg ggcattggtg 180
caggcacctg taatcccggc tactcgggag gctgaggcag gaaaatcgct tgaacccggg 240
agtgcgaagt tgcagngagc caaggtcatg tcatcattgc actccagctt gggcaacaag 300
agtgaagact tcgtctcaaa aaaaaaactt acagactttt ttttcctttt gtaaattgnt 360
agtttaactt tgaattcnng atgaaggatt tattcttatt t 401
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<210> 255

<211> 406

<212> DNA

<213> Homo sapiens

<220>

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<222> (149)

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<220>

<221> misc feature

<222> (243)

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<220>

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<222> (369)

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<220>

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<222> (370)

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<220>

<221> misc feature

<222> (376)

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<220>

<221> misc feature

<222> (390)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<400> 255

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tcccctcccc tcccctctct tcccctctct tcttaccctcc aattaaaaaa tagcacatcc 120
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ctaattgtggg aaacagtaag aaagcatana ttacatttta ggcagggcac agtggctcac 180
gcctgtaatc ccagcacttt cggaggctga ggtgggtgga tcacttgagg tcaggagttt 240
ganaccagcc tggccaacat ggtgaaaccc tgtctctact aaaagtacaa aaattagcca 300
ggcatggagg cgggtgcctg taatcccagc tacttgggag gctgaggcag gagaattgct 360
tgagccann aggcanaggt tgcagtgagn anagatcggg ccattg 406

<210> 256

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

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<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<400> 256

gacatgaatt ccttaatgat gggagangat aaaatcaagt tcaaacacat cccccccctg 60
caggagcaga gcaaagaggt ggccatccgc atctttcagg gctgccagtt tcgctccgtg 120
gaggctgtgc aggagatcac agagtatgcc aaaagcattc ctggttttgt aaatcttgac 180
ttgaacgacc aagtaactct cctcaaatat ggagtccacg agatcattta cacaatgctg 240
gcctccttga tgaataaaga tggggttctc atatccgagg ggccaagctt catgacaagg 300
gagtttctaa agagcctgcg aaancttttg gtgactttat gggagcccag tttgagtttg 360
ccgtgaaatt ccatggcnng ggatttatat gacagcggct tgggcaaatt nnagc 415

<210> 257

<211> 414
<212> DNA
<213> Homo sapiens

<220>
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<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
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<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
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<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<400> 257
cgcagaggaa accccgcacc cctggcagaa gttccggacc aagccccagg gggaccagga 60
caccggcaag gaggtgatg acggatgtgc ccttgggggc angtgatggg agcacagctg 120
gaacaatgtg ctcggtcccc agtgctctgt gggagcccca ggacaagtga gctggtgtca 180
cctcctgcct gggggaagag ccaggccctg aagaacagcc gcagcgtgtc acaggtgttg 240
gtgaggacac acactaggcc caaggtgcct gtgctcccag caggttccaa gtgcaanttc 300
aagccaactt tgcgtgttaa cttcaacggg gacttccaag cttccaagct aacttttgtg 360
gtgttaacct tcaanaaaan caanaaaggg gggcttnggg gcatttttgt ncct 414

<210> 258
<211> 373
<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<400> 258

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ctccgagtca gggcccaggt gcagctctcc ggtggacaca gaatgcagcc atgctgaggg 60
cagccggagc caaggccctg agaaagcctt cagcccggct tctccatgtg cctggaacgt 120
gtgtgtcacc aggaaggccc ccctgctggc ctctgacagt agctcctctg ggggctccca 180
cagcgaggat ggcgaccaga aggcagcgag tgccatggat gcggtgagca ggggtcccgg 240
ccgggaggcc ccccgctgcc cacagtggcc aagacagaag aagcttttgg caaggttcgg 300
ttttctgaca accggctttt naancctncc ttgcccccgcc gccaaaagga nttaatttct 360
ngcccaagcg ttg                                     373
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<210> 259

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<400> 259
aaactaacag atgaagaagt agatgaaatg atcagagaag cagatattga tggagacgga 60
caagtcaact atgaagaatt cgtacagaat gatgactgca aaatgaagac ctactttcaa 120
ctcctttttc cccctcttta gaaagaatca aatttgaatc ttttacttac ctccttgcaa 180
aaaaaagaaa aaagaaaaaa ttccatttat tcatccttgt ttcctatata gccaaactga 240
atgttcaaaa gtaccttcct tgtcccacac acacaaatct gcatgtntgg ttgggggggt 300
ccctgtcccc cttaaagatca agctacactt cccattttta caatataata cttgttctac 360
cttatgatag atccctnaaa agtttcccct ttgctaataa ttatacctgt ttgggtggcc 420
agttttccct gcttgcaantt gannaatgac ccagccggcc tttgttttaa attgaaatga 480
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<400> 260

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gcgatctgtg ctcatgtgtt tcagtatcct ttgacccat cctttgatga tgtggctgtt 180
ttcaagtcct atatggaacg cctttcctta aggaacaaag cgacactgaa aattctcaa 240
gcaactgtgt cctcctgtgg tgagctggcc ttgaaagggt ttttttcatg ttgctttgag 300
tttaatggat ggatggatct cgcagaagca gggggtggat ggaagatgaa gatctaacca 360
ngtgcttgga tgagcaaatt ttacagccca gagactaaga ccattctacc ggnttttta 420
gttccggcct tccaagnaatt tcttggcggg ggatgaggcn ggattgaact ccngggatcc 480
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tagaangatt atttgcattg gtgcanaana naatggnttg ccgctggant atcaanagan 180
gttaanagcn ttanaaccaa atgactatac ntgaaagggtc tcanaagaaa ntgangacat 240
catcannaag ggggaaacac anactcttta gancataaca gaatatatct aagggtattc 300
tatgtgctaa tatanaatat tattaacact tganaacang gatctggggg atctccacgt 360
tngatccatt ttcannagtg ctctgagagg agtatcttac ttgggggtgac tccttgtttt 420
tagactatac tcagaaactg ggatangag ttanaccatt taaaacgggt gtatganggc 480
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<210> 262
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gcccgctccg tggacgccct ggacgacctc accccgccga gcaccgccga gtcagggagc 180
aggtctccca cgagtaatgg tgggaggaga agccgggcct acatgcccc gcggagccgc 240
agccgggacg acctctatga ccaagacgac tcgagggact tcccacgctc ccgggacccc 300
cactacgacg acttcaggtc tcgggagcgc cctcctgccg accccaggtc ccaccaccac 360
cgtaccggg accctcggga caacgntcc aggtccggg acctccccta tgatgggcgg 420
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gangangaa 489

<210> 263
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acaccatggc cttcncacc aggcagttca tgn 93

<210> 264
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ctttaatctg cnttactacg tggggcacaa gggcaagtcc ggccangagt tcctggagtt 120
tgaagtttcg accggacgga gcttgaaatc gtcattggag atgaacacat ttcttttnac 180
aacatcaaaa attggttccc ttattgatgt caatcatgcc aaggatccag aaggcttacg 240

nagtatttna ttatcttgtc caggacctga agtggttggt cttcagtctt attgggttac 300
acttcaagnt taaaccatct agactgnata ttngtggtggg acanggggggt ggggtggngt 360
aggaaatttt gtgtattttc aggggcatt 389

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tcccagtcac agcctacttc cgccacgcag aacctggatt ctccctcaag agggccagg 120
ggctcagccg gagcctcccc cctccgcccc ctgccaaagg cagcattccc atcagccgcc 180
tcttccctcc tcggaccccc ggctggcacc agctgcagcc ccgcgggtgt cattccgggc 240
gaaggcctag agactctgca gagccctggg tatgacccaa gccgcaaaag tctttnttca 300
agcaaaagntt caaaagggtta agccgcttgg gcaatgggtt annngaaagg ttttaagggg 360
gcctccaagg gagggacggcc ggtttttttnn ggaaaagggt 400

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cacaggtgag ctgccgctgg gcccgganca tgctgggcgt tcnacactng cagactgcac 120
gtccaaccg cccgctccac ctactctttc caggcccggc ancttntgga gaaggaattc 180
agcannctta tctccttagg cacagacagg ctgctggacn aggacatgcg ccaagtcttt 240

cagttcgnlc cccatcctgg cggaagatgt tccggganga aggacctccg aggcgtaact 300
ngccgactca ctgagatgtt gcccencaac tttcgttcgg ntgcagcggn attcctgggc 360
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<210> 267

<211> 449

<212> DNA

<213> Homo sapiens

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<222> (433)

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<222> (446)

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<400> 267

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atggggccta tggagaaatt ctggaataaa tttttggaga ataaatcccc ttggaggaaa 120
atgggtccatg gggatatacaa aaagagtatc tttgttttca ctcatgtact tgtacctgtc 180
tggattattc attattacat gaagtatcat gtttctgaaa aaccatatgg catagttgaa 240
aagaagtcca gaatattccc tggatgataca attctggaga ctggagaagt aattccacca 300
atgaaagaat ttcctgatca acatcattaa agattatgta aaaaggtaaa aggccttatga 360
gcctaagttt ggttctatat taccatattt actggaattt tcttggaaaa gtactttaat 420
aaagtttaat cttagaaaaa aaaaannna 449

<210> 268

<211> 594

<212> DNA

<213> Homo sapiens

<220>

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<220>
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ccgctctaga actagtggat cccccgggct gcaggaattc ggcacgaggt cagtgtcggg 120
cgcagacggc ggcagtgcgg cttgctcttg gaagttcagg ctcggttgtc ttttgggagc 180
catggagagt gacttttata tgcgttacta cgtggggcac aagggcaagt tcggccacga 240
gttcctggag tttgagtttc gaccggacgg gaagttaaga tatgccaaca acagcaatta 300
caagaatgat gtcattgatca gaaaagaggc ttatgtacat aaaagcgtga tggaggaact 360
gaagagaata attgacgaca gtgaaattac caaagaggat gatgcattgt ggcctcctcc 420
tgaccgagtg ggccggcagg agcttgaaat cgtcattgga gatgaacaca tttcttttac 480
aacatcaaaa attggttccc ttattgatgt caatcaatcc aaggatccag aaggcttacg 540
agtattttat tatcttgtcc aggacctgaa gtgtttggtc ttcagtctta ttgg 594

<210> 269
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<212> DNA
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<222> (275)
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<222> (321)
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<220>

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<222> (332)

<223> n equals a,t,g, or c

<400> 269

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atcttcgtga agactctgac tggtaagacc atcacccctcg aggttgagcc cagtgcacac 120
atcgagaatg tcaaggcaaa gatccaagat aaggaaggca tccctcctga ccagcagagg 180
ctgatctttg ctggaaaaca gctggaagat gggcgcaccc tgtctgacta caacatccan 240
aaagagtcca ccctgcacct ggtgctccgt ctcanaagggt ggatgcaaat cttcgngaag 300
accctgactg gcaagaccat nacccttgag gn 332
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<211> 515

<212> DNA

<213> Homo sapiens

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<222> (4)

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<220>

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<222> (7)

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<220>

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<222> (10)

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<400> 270

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tctagaacta gtggatcccc cgggctgcag gaattcggca cgagggatgt tgatgtcctg 120
catctaacgc ggtgtaaccc ccgaagccga gcgagctccg gaggaatttc agtatctgct 180
acggtaactt catcagccc ccaagatggc gatgcaagcg gccaaagagg cgaacattcg 240
acttcacact gaagtaaata ggatattgta tataagaaat ttgccataca aaatcacagc 300
tgaagaaatg tatgatatat ttgggaaata tggacctatt cgtcaaataca gagtggggaa 360
cacacctgaa actagaggaa cagcttatgt ggtctatgag gacatctttg atgccaagaa 420
tgcatgtgat cacctatcgg gattcaatgt ttgtaacaga taccttgtgg ttttgtacta 480
taatgccaac agggcatttc agaagatgga cacia 515
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<211> 141

<212> DNA

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<400> 271

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<210> 272

<211> 433

<212> DNA

<213> Homo sapiens

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<222> (49)

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<222> (52)
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<400> 272
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ggcccaagat gaccggttct aacgaagttc aagntgaacc agccaccggg aggatagcat 120
ctcctccgta aagtccagnc ccaacacctc ccagttcctg cttgtntcct cctgggncac 180
gtccgtncca ctctacgnat gtgccggcca actccatgcg gctcaagtac cagcacaccg 240
gagncgtnct ggactgcgnc ttctacggtc caangnatgc ctggagtnga ggactagatc 300
atcagttgaa aatgcatgat ttgacactga tcaagaaaat ttcttggacc catgntgcc 360
tatnagatgt gttgaatact gtcagaagtg aattanaatg gnactggaag ttgggggttag 420
ccagtnnacc tgt 433

<210> 273

<211> 432
<212> DNA
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tgcttcacca gctgctctcc ttgcacggtg gcagcaccac tgagcccact gtgcgtgggg 180
ctcccgnctn caaccctcgc ccagtcacca gcagccagcc aaacacacag aaggggactg 240
ccaccttccc ttgccagctg ctgagccgca gagaagtgcac ggctcctaca caggacaggg 300
gttccttctg ggcattacat cgcataagaaa tnaataattt gtggtgattt ggatctgggt 360

tttaatgaat ntnacagtgn gacttttgatt attaattgag caagcttttc ctaataaacg 420
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<211> 276

<212> DNA

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<221> misc feature

<222> (264)

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<222> (265)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<400> 274

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gctgaggacg aggctgatta ttactgcagc tcatntacaa gtagtatctc ttatgtcttc 120
ggaactggga ccaagggtcac cgtcctagtc cagcccaagg ccaacccac tgttctactcc 180
tgtttccccc cctcctcctt aagaacttcc aagcccaaca aaggcaacta tgtnttttgg 240
aaccattact tctanccggg aaanntttna aaatgc 276

<210> 275

<211> 351

<212> DNA

<213> Homo sapiens

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<222> (303)
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<223> n equals a,t,g, or c

<220>
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gggcccgtgga aaacgggnac cggacangaa gccgccggcc ctgccgcgcc ccatccncaa 120
cctggaagtc gagttcacca agatatttan caanaatgga atgggacgaa tccnagantg 180
ggaaaaagtg tgctacatgt taccntcaa ctccggganc aaatatgtga agtgggaagaa 240
ngagatangg ccgacgtggg acgaaggctg tggaagctgc acagggtngc tnccaaaaag 300
ggntcccca tgggcgcccg gtgggatgnc ctgaattcct tggccggtng c 351

<210> 276
<211> 463
<212> DNA
<213> Homo sapiens

<400> 276
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catcttcctg cccgtgctgg gcctcccatg ggggtgtcctg tcacaggtgc agctgcagca 120
gtcaggtcca ggactggtga agccctcgca gaccctctca ctcacctgtg ccatctccgg 180
ggacactgtc tctaggaaca gtgctggttg gaactggatc aggcagtccc catcgagagg 240

ccttgagtgg ctgggaagga catactacag gtccaaatgg tataatgatt atgccgtatc 300
tgtgaaaagt cgaataacca tcaacgcaga ttcaaccaag aatcagttct ctctgcagct 360
gaactctgtg actcccagg acacggctct gtattactgt gcaagagatc ggggcagctg 420
gtccgatgaa gccgaggggc tcccgcgcgc ttacttctac tac 463

<210> 277

<211> 463

<212> DNA

<213> Homo sapiens

<220>

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<222> (392)

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<400> 277

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cctcttcttg gtggcagcag ctacaagtgc ccactcccag gtgcagctgg tgcagtctgg 120
tgctgaggtg aagaagcctg gggcctcagt gaaggctcc tgcaaggctt ctggatacac 180
cttcaccagt tatgatatca actgggtgcg acaggccact ggacaggggc ttgagtgggt 240
gggatggatg aaccctaaca gtgctaacac aggctatgca cagaagttcc agggcagagt 300
caccatgacc aggaacacct ccataagcac agcctacatg gagctgagca gcctgagatc 360
tgaggacacg gccgtctatt actgtgcgag anggaggcgg tgggagctgc tcgggatgat 420
gtgggacttt gactactggg gccagggaac cctggtcacc gtc 463

<210> 278

<211> 343

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (271)

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<220>

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<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

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<222> (315)
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ctcgccctcc tcctggctgt tctccaagga gtctgtggcg aggtgcagct ggtacatgct 120
ggaggagaga tgaggaaagc ccggggagtc tctgaagatc tcctgtgaag gntgttggga 180
tacacctttg aacatctact gggatcggct ggggtgcgcca gatgcccgga gaaggcctgg 240
gagtgggtgg ggcacatcat gtcctggtga ntctgatggc cagngatagc cannccttttc 300
gagggccaga tgcancatgt gcagtcgaca agtgccacca aca 343

<210> 279
<211> 436
<212> DNA
<213> Homo sapiens

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<220>
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<222> (373)
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<223> n equals a,t,g, or c

<220>
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<222> (403)
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<400> 279
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tctcccagct tgtgctgact caatcgccct ctgcctctgc ctccctggga gcctcggtca 120
ngctcacctg cactctgagc agtgggcaca ncgactacgc catcgcatgg catcagcagc 180
agccagagaa gggccctcgg tacttgctga ngcttaacac tgatggcagc cacaggaagg 240
gggacgggat ccctgatcgc ttctcaggct ccagctctgg ggctgagcgc tacctcacca 300
tctccagcct ccagtctgag gatgangctg actattactg tcagaactgg ggctttggga 360
tngtattcgg cgnaagggac caanctgaac gncctaagtc agnccaaggc tgccccctcg 420
gtcaatctgt tcccgg 436

<210> 280
<211> 315
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<222> (246)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<220>
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<222> (315)
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agctgtgaga tcaactggncct ttggaaaaaag gaattctagt gaagtgaaca attgcgaact 180
gaacttagga aggtcctgga ggagtgtttt gacctggaaa atgnagccca gtgtgggttca 240
agggttagac tgcagagttt agagggtgggg agcactgagn cgggtggcaga ttgggtccca 300
gggttggnntt gaagn 315

<210> 281
<211> 411
<212> DNA
<213> Homo sapiens

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<220>
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<222> (376)
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<220>
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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<400> 281

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agaagaatat gaaaaagcag agcgactcgg ttaagggaaa gcgccgagat gacgggcttt 120
ctgctgccgc ccgcaagcag agggactcgg agatcatgca gcagaagcag aaaaaggcaa 180
acgagaagaa ggaggaaccc aagtagcttt gtggcttcgt gtccaaccct cttgcccttc 240
gcctgtgtgc ctggagccag tcccaccacg ctgcgcttcc ctctgtagt gctcacaggt 300
ccancaccg atggcattcc ctttgccctg agtctgcanc gggtcctttt tgtgcttnc 360
tccctcaag tacctntttc cccctgggcc acttcgggg gtnagggggg n 411
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<210> 282

<211> 570

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (7)

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<220>

<221> misc feature

<222> (12)

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<220>

<221> misc feature

<222> (217)

<223> n equals a,t,g, or c

<400> 282

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cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgagtag agacagcgcc 120
ggggcaagtg agagccggac gggcactggg cgactctgtg cctcgctgag gaaaaataac 180
taaacatggg caaaggagat cctaagaagc cgagagnaaa atgtcatcat atgcattttt 240
tgtgcaaact tgtcgggagg agcataagaa gaagcaccca gatgcttcag tcaacttctc 300
agagttttct aagaagtgtc cagagaggtg gaagaccatg tctgctaaag agaaaggaaa 360
atttgaagat atggcaaaaag cggacaaggc ccgttatgaa agagaaatga aaacctatat 420
ccctcccaaa ggggagacaa aaaagaagtt caaggatccc aatgcacca agaggcctcc 480
ttcggccttc ttctcttct gctctgagta tcgccccaaa atcaaaggag aacatcctgg 540
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gctgtccatt ggtgatgttg cgaagaaact

570

<210> 283

<211> 366

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (4)

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<222> (10)

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<222> (32)

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<222> (39)

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<222> (327)

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<222> (333)

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<220>

<221> misc feature

<222> (348)

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<220>
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<400> 283
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ggactatgtg gatcccttgt ggctatgcag atacctacct cacagagttg ttgtagaaga 180
ctgggtggtt ggttcaaacc ttgtgattaa agagtttgtc aagcatttta ttcttttgaa 240
taaaagcaac atatctaaaa catttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaagggnggc cgntttnaag gatccaanct tacgaancgt 360
gcatgc 366

<210> 284
<211> 414
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (395)
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<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<400> 284
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gggagaagat tgtggctccc atcagtgact ccccgaggcc accgccacag cgtgtgaccc 180
tcacgctacc tgcctgaat gcagcacgaa ctgtcatctt tgtggcaact ggagaaggca 240
aggcagctgt tctgaagcgc attttgagg accaggagga aaaccgcgtg cccgccgcct 300

ggtccagccc cacaccggga aactgtgctg gtcttggacg aggcggccgc cgcttctgac 360
cgtgcccttc gagaaacatt ccactttgna actnngcnca aaggacnccc aaat 414

<210> 285

<211> 551

<212> DNA

<213> Homo sapiens

<220>

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<222> (5)

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<222> (234)

<223> n equals a,t,g, or c

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<222> (271)

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<222> (322)

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<222> (324)

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<222> (325)

<223> n equals a,t,g, or c

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<222> (368)

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<220>
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 gctatcttag cggcacaaag actaggagaa gatgtggaga cttccaataa atgggctgcn 180
 ggccanaaca aacaacattc tattaccaag aacacggcca agctngaccg gganacagag 240
 tgctgcacca tgacaggtga ccctgaagtg ngtcaagtga tccagcaagt cggcananca 300
 agggcttaca cataacganc tngnnacgaa aatcatgata agccacagtg atcgcagact 360
 atganagnng tacggccata cccaataacc agtgcctggc aaaatcgacn ggaccattgg 420
 ctccaagctc cgggaaagac attggaaaac ccacgcagaa gggcctaggc gaaatgaaca 480
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 cgttntcctc a 551

<210> 286
 <211> 615
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 286
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tccaactgta tacctgcac agtggtcattc ctttgtgtga tttcttaatg ctgtatttgt 180
tcattctcaaa cctagatgta tacagctctg agttataaat gggtataaaag ctctgtgttac 240
tcattattagt tattttacac aaaaagcttt tagaaaaatgg tacgaggtaa ccaattcttg 300
tcattggtgaa atctgattga gtaaccaagc agttttacta ttctggtgct gcttcataac 360
aaaaatgaaa agctgcacgc atctacagca ggcattggatt gtttatgtcg tatgatattcc 420
tttattaagt aagttcactt atagtatttc tataatttga ttcattgccg taatagagcc 480
atgtaggaaa tgcactgatt gcatgttatt gtggcaagaa taccctaaat gtcattaaaa 540
tcctccaaca tgatggatct acttatggtc ttgtttgttg acatgacaaa ttaacattct 600
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<210> 287

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (221)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (237)

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tgatctatat agcttccagg tcatccctgt cctgggagag gtcacgctg gagactggaa 180
gtcctatcag tacctttag agagtatccg aaggtttccg nctcangaag agttcangga 240
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tcgtcgcgct ccccggggtg ncagncanca tncgtgnatgt ntacctnaag tcncaccacg 240
gagagcacga ganacccgag ttcacgtctt acctatctct ncgtatcagg ancaagcnnt 300
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 ccagagtggg actgcctgcg cctgctcctg ttatcaatag caaatatgga ctcagagaaa 180
 cagataaacg tttaaataagg cttaaaaagt taggtgacag cagcaaaaat tcagacagtc 240
 aatctgtcag ctctaacact gatgcagata ccactcagga aaaaaacaat gcaacttcta 300
 accgaaaatc ttcagttggc gtaaaaaaga atagcaagag cagaacgtta acgaggcaat 360
 ctatgtcaag aattccagct tcttccaact ctacctcacc taagcttaac tcatataaat 420
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cancctggnt gcttcaagac agagtcagtg aagaaacgtg gggttcantgg gaaaagcgcc 180
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gtattgaagc caacagtaaa gacannnagt cttactgggn gctcaaagaa gtaactcctg 240
aagggctcna aatgggtaaag aaaagctttg aggccgggca cggtgactca tgcctgtaat 300
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gaagttacaa catcctgaat caagancanc ccctggcccc acccacctca ggttcaacct 240
gttcctccctt aaaaaatatc tcccacagaa cacatcnggt ttatantctt gttcctccca 300
gcaataagaa nggaaaccnn tttctgcaac ttcacggtgg ccttncaaat ctncceccca 360
taaannttgg cccttttttt tgnctccccg ggggggtttt ttttttcacc ccccttatcc 420
ntngngncan cnccttangg ngcngccncc caggggaaag annnaacccc naaaaaaagg 480
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ccatgcagcc aagtcactgg ccatgattgt ggggattttt gccctgtgct gggttacctgt 180

gcatgctgtt aactgtgtca ctcttttcca gccagctcag ggtaaaaata agcccaagtg 240
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gggcctatga tctangctct cgcctnttca ngagaagatc aaatncacaa gaaacaaaga 480
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gcaacanccg cttnacctac agcntcactn tcgatggctg cacganthac accggagncc 120
tggggcaaga nagtgaattg aattacaaaa ccaccaagac ctcccgnntg cccatnnatc 180
gatgtggccc ccttggaacg ttggtgcccc aaaccaggna attcggnttc gaacgttggg 240
ccctgtttgg ttctctgtaa aantcccttc cattcccaac ctgggttccc tnnccaaccc 300
aaccaaattt ttccnnncna acccgggaaa cagg 334

<210> 298
<211> 293
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gctgtctatg aaagcgcaga ggccccgggc cactatccccg cagaggacag cacctacgat 120
gagtacgaga acgatctggg gatcacagcc gtgcgccctgt acgantacca ggctgcgggc 180
gatgatgaga tctcatttina ccctgatgac atcatcacca acatcgagat gattgangac 240
ggctggtggc gcgggggtgtg caagggccgc ttcaggggagc tcgcattctc ttg 293

<210> 299

<211> 418

<212> DNA

<213> Homo sapiens

<220>

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<222> (59)

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<222> (393)

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<222> (408)

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<400> 299

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ccccaccgac nttggntnag gataactcca ggtacacaca cttcctgacc cagnactatg 120
atgccaaacc acagggcccg gatgacagat actntgaaag catcatgngg agacggggcc 180
tgacctgacc ctgcaaagac atcaacacat ttnttcatgg naacaagcgc agattcaagg 240
ncatctgtga aaacaaggan tggaaaccnt tacagggnaa cctnaggttt angnaagttt 300
tttttttcca ggnaaccatt tggaaagttn aatnggggggt ttcccnnggg tntnnaanga 360
ctttcccggg gcnaaangng ggnttaaaaa annttttttt tttttttnga aaaagggt 418
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<210> 300

<211> 346

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

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<223> n equals a,t,g, or c

<220>
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ttacatggag ctgcacttca ccaaagacat tgtggatgcg ggactggctg gggacaccaa 180
tctctactac atggcgctca tcgaaagggg cacagccaaa ctgcaggccg ctgtggtgtt 240
gaaccctggc tactcctcca tcccacctgt tttccanctc tgtttgaact ggaaanggga 300
gaaaaccaac agcaacnatn acaacattcn gggccatgga gggcga 346

<210> 301
<211> 213
<212> DNA
<213> Homo sapiens

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<222> (202)

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aaaaanttgg tactaccagn tattggttcg tttacaatta ttgatggaaa tcaagtcanc 120
ggacaaaatn ctggaaacaa tttcttcctt caaaaaatct tatcngcaan aaccgactga 180
agctgccata gatttcctta cnagaattaa ata 213

<210> 302

<211> 440

<212> DNA

<213> Homo sapiens

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<220>

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<222> (363)

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<400> 302

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ttcaccatgg accggaagt gcgaaaatc aaacaaggcc tgggcttgaa atttgctgag 120
ntggtgtata cgggtttctg gcacagccct gagtgtgaat ttgtccgcca ctgcacgcc 180
aagtcccagg agcgagtggg agggaaagtg cagggtgtccg tcctcaaggg ccagggtgtac 240
atcctcggcc gggagtcgcc actgtctctc tacaatgagg agctggtgag catggatgag 300
aacctcatgc acatcagcta cgangctgga atcctggaga ancccaagaa ccaagcgctc 360
cangtcttaa acgaagacc angaccagc caaagcccca acaaccctga catctccgag 420
atcgagttca aaaaagggtc                                     440
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<210> 303

<211> 495

<212> DNA

<213> Homo sapiens

<220>

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<222> (22)

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<400> 303

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cccccgggct gcaggacgcc atgttggggg ttgtgggtcg ggtggccgct gctccggcct 120
ccggggcctt gcggagactc accccttcag cgctcgctgc cccagctcag ctcttactgc 180
gggcccgtccg acggcgggtcc atcctggtga gagcacagta aggactattg ctatggatgg 240
tacagaaggc ttggttagag gccagaaagt actggattct ggtgcaccaa tcaaaattcc 300
tggttggtcct gagacttttg gcagaatcat gaatgtcatt ggagaacctt ttgatgaaag 360
agggtcccatc aaaaccaaac aatttgctcc cattcatgct gaggctccag agttcatgga 420
aatgagtgtt gagcaggaaa tcttgtgact ggtatcaagg ttgtcgatct gctagcttcc 480
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tatgcccaagg gtggc

495

<210> 304

<211> 293

<212> DNA

<213> Homo sapiens

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<222> (287)

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<222> (289)

<223> n equals a,t,g, or c

<220>

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<222> (292)

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<400> 304

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cctcgggcag aagaggagag gaggatagca gcagaagaga agaagaagca ggatgaactg 120
aaacggattg ccagagaatt ggcagaagat gacagcatat taaagtgagt gaccctgcga 180
cccactcttt ggaccagcag cggatgaata aagcttcctg tgttggtgta aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg cggnctntnt tna 293

<210> 305

<211> 261

<212> DNA

<213> Homo sapiens

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<400> 305
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agggtccac gtgcagcgtc tctccgggca ccttcgggtc caggactaca actcccggca 120
gggtgcgcaa aacgaccgcc caaggcaacg gaggtcacg agaatcagca tgattcttca 180
naggctcttn aggttctcct ctgtnattcg gtcagccgctc tcagtccatt tgcggaggaa 240
cattggtggt acagcagttg g 261

<210> 306
<211> 502
<212> DNA
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<220>
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 caactaacct cctcggactc ctgcctcact catttacacc aaccacccaa ctatctataa 120
 tcctagccat ggccatcccc ttatganccg ggcgagtgat tatangcttt cgntctaaga 180
 ttaaanatgc cctagcccac ttcttatcaa aangcacacc tacaccctt atccccatac 240
 tagttattat ggnaaacatn atcctactcn ttcnaccaat agccctgggc gtnagcctaa 300
 tcgcttacat tactgnaggg cacntactca tgcacctcat tggaancgtc ccctacaata 360
 tcaatcatta aacttccttc tacacttatc tcttcacatt ctattctaac ttaatatcct 420
 aanaaattcc ttttcncttt attccaagcc caactttttc cnactttntt cttaaaccac 480
 ttactttncg aaaaaccttt tt 502

<210> 307
 <211> 119
 <212> DNA
 <213> Homo sapiens

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<220>
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<222> (40)
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<220>
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<220>
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tgttgnatc cctcanttgc ggagaatatt aaccatattg cagtgggtca cntaccag 119

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<211> 403
<212> DNA
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<220>
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<222> (13)
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<220>
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<220>
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<220>
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<220>
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<222> (389)
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<400> 308
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cagaggtgga gctggtgcag atggtggtgg acggagtga gctgctcatc gagatggagc 180
agcggctgga gcagggccag gccatcgacg acctcatgcc tgcccagaaa tgaagcccgg 240
cccacacccg acaccagccc tgctgcttcc taacttattg cctgggcagt gccaccatg 300
caccctgat gttcgccgtc tggcgagccc ttagccttgc tgnagagat tccgttcaac 360
cttgggtanaa tttanttttt tgatgggna agatatgctg atg 403

<210> 309
<211> 559
<212> DNA
<213> Homo sapiens

<220>
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tctagaacta gtggatcccc cgggctgcag gaattcggca cgaggtttat ctcaaggcct 120
gagtagccgg taacaaacga gggttcccg gattggaccg acgcagccat gcctctgcga 180
cttgatatca aaagaaagct aactgctaga tctgatcgag ttaagagtgt ggatctgcat 240
cctacagagc catggatggt ggcaagtctt tacaatggca gtgtgtgtgt ttggaatcat 300
gaaacacaga cactggtgaa gacatttgaa gtatgtgac ttcctgttcg agctgcaaag 360
tttgttgcaa ggaagaattg ggttgtagaca ggagcggatg acatgcagat tagagtgttc 420
aattacaata ctctggagag agttcatatg tttgaagcac actcagacta cattcgctgt 480
attgctgttc atccaacca gcctttcatt ctaactagca gtgatgacat gcttattaag 540
ctctgggact gggataaaa 559

<210> 310
<211> 521
<212> DNA
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<220>
<221> misc feature
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<220>
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<222> (245)
<223> n equals a,t,g, or c

<220>
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<222> (494)
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ggctatccag cgtactccaa agattcaggt ttactcacgt catccagcag agaatggaaa 120
gtcaaatttc ctgaattgct atgtgtctgg gtttcattcca tccgacattg aagttgactt 180
actgaagaat ggagagagaa ttgaaaaagt ggagcattca gacttgnctt tcagcaagga 240
ctggncctttc tatctcttgt actacactga attcaccccc actgaaaaag atgagtatgc 300
ctgccgtgtg aaccatgtga ctttgtcaca gcccaagata gttaagtggg atcgagacat 360
gtaagcagca tcatggaggt ttgaagatgc cgcatttgga ttggatgaat tccaaattct 420
gcttgcttgc tttttaatat tgatatgctt atacacttac actttatgca caaaatgtag 480
ggttataata atgntaacat ggacatgatc ttctttataa t 521

<210> 311
<211> 591
<212> DNA
<213> Homo sapiens

<220>
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<222> (51)
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<220>
<221> misc feature
<222> (52)
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<220>
<221> misc feature
<222> (528)
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<220>

<221> misc feature

<222> (537)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (557)

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<222> (563)

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<220>

<221> misc feature

<222> (571)

<223> n equals a,t,g, or c

<400> 311

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ggattcctga agctgacagc attcggggccg agatgtctcg ctccgtggcc ttagctgtgc 120
tcgcgctact ctctctttct ggcctggagg ctatccagcg tactccaaag attcagggtt 180
actcacgtca tccagcagag agtggaaagt caaatttcct gaattgctat gtgtctgggt 240
ttcatccatc cgacattgaa gttgacttac tgaagaatgg agagagaatt gaaaaagtgg 300
agcattcaga cttgtctttc agcaaggact ggtctttcta tctcttgtac tacactgaat 360
tcacccccac tgaaaaagat gagtatgcct gccgtgtgaa ccatgtgact ttgtcacagc 420
ccaagatagt taagtgggat cgagacatgt aagcagcatc atggagggtt gaagatgccc 480
gcatttggtat tggatgaatt caaattctgc ttgcttggtt tttaatantg atatgcntat 540
acacttacct ttatgcncaa aanggtaggg ntataataat ggtaacatgg g 591
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<210> 312

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

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cgtcatagct cttctatagt gtcacctaaa ttcaattcac tggecgctgt tttacaacgt 180
cgtgactggg aaaaccctgg cgttacccaa cttaatcgcc ttgcagcaca tccccctttc 240
gccagctggc gtaatagcna anaggcccc accgatcgcc cttcccaaca gttgcgcanc 300
ctgaatggcn aatgggacgc gccctgnann ggcgcattaa gcgcggcggn tgaggtggtt 360
acgcncagcg tgaccgctac acttgccagt gccctagcgn ccgctccttt cgttttcttc 420
cctncctttc tcgccangtt cgccggcttt ccccgtaag ctctaaatcg ggggtccct 480
ttagggttcc gatttagtgc tttacggnac cttcgacccc aaaaaanttg attanggtga 540
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caattcactg gccgtcggtt tacaacgtcg tgactgggaa aaccctggcg ttaccaact 180
taatcgccct gcagcacatc cccctttcgc cagctggcgt aatagcgaag aggcccgcac 240
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cgcattaagc gcggcgggtg tgggtggttac ncgcagcgtg accgttacac ttgccagcgc 360
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ccgtcaagct ntaaactcggg ggctcccctt agggttccga ttagtgctt tacggcacct 480
cgaccccaaa aaactngatt aggggtgatg ttcacgtagt gggccatngn cctgatagac 540
ggtttttcgc cctttgacgt tggagtccac gttcttaata gtggactntt gttccaaact 600
ggaacaacac ttaaccctat ctcgggctat tcttttgatt nataagggat ttttccnatt 660
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tgactgggaa aaccctggcg ttaccaact taatcgctt gcaanacatc cccctttcgc 240
cagctggngt natancnaaa aggccgcac cgatcgccct tccaacagt tgcgcancct 300
gaatggcaaa tgggacgcgc cctgttacgg cgcatthaanc ccgnggggtg tgggtgttac 360
ccccaangtt naccgctaca cttgcnagcg ccctagngcc cgctcctttc gctttcttcc 420
cttcctttct cgccaanttc ngccggnntt ccccgctcaan ctctaantcg ggggcccctt 480
tanggttcca atttatgctt tacggcaccn caacccaaaa aacttnnnta aggtnatggt 540
ccacntatgg gccatcnctt aataaanggt tttccccctt ngaaattgga atccanttct 600
taaaagggaa nctgttccaa atggaaaaaa anccaaccct atcncgggct ntncctngan 660
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cttctatagt gtcacctaaa ttcaattcac tggcgcgtcgt tttacaacgt cgtgactggg 180
aaaaccctgg cgttacccaa cttaatcgcc ttgcagcaca tcccccttc gccagctggc 240
gtaatagcga anaggcccg accgatcgcc cttcccaaca gttgcgcagc ctgaatggcg 300
aatgggacgc gccctgtagc ggcgcattaa gcgcggcggg tgtggtggtt acgcgcagcg 360
tgaccgntac acttgnaagc gccctaacgc ccgntccttt cgctttcttc ccttcctttc 420
tnccacgttc gnccggtttc ccgtcaagct ctaaatcggg ggctccttta agggtcnnaa 480
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cttattttttc atataaaaat ctaaatgtgt taataaatca tttcatacaa aagtacatta 180
ttaaataacc acattatttaa aataaaaaaaa aaaaaaaaag ggcggccgct ctaggagatc 240
ccaagcttac gtacgcgtgc atgcnacgtc atagctcttc tatagtgta cctaaattca 300
attcactggg cgcgtcgtttt acaacgtcgg tgactgggaa aaccctggcg ttaccaact 360
taatccgcct tgcagcacat ccccttttcg ccagctggcg taatagcgaa gagggccgcn 420
ccgatcgccc ttccaacag ttgcgcgtgc tgaatggcga atgggacncg ccctgtancg 480
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tatagngtca cctaaattca attcactggc cgtcgtttta caacgtcgtg actgggaaaa 180
ccctggcggt acccaactta atcgcccttc agcacatccc cctttcgcca gctggcgtaa 240
tagcgaanag gcccgcaccg atcgcccttc ccaacagttg cncagcctga atggcnaatg 300
ggacgcgccc tgtagcggcg cattaagcgc ggcgggtgtg gnggttacnc ncagcngac 360
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cgggtcgacc cagcggtccg gttnnanaccn atgngggggn agntctcngg nggnaaggaa 180
aatcgtgcaa agaggnanta atgaatgtgg atcacgagga tanccnntta gtgnaggaan 240
tncatcgttt gggtnataaaa aatgctgatg gaaagttaan tgtgaaaatt ggggtcctct 300
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<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

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<222> (401)
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<400> 319
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tttgttttca agatggtggtt atcttttgaa ttcttgataa atgactgttt ttttctgcct 120
aatagtaact ggtaaaaaaa caaatgttca tattttattga ttaaaaatgt gggtgcttaa 180
ttcctaataaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaggggcg gccgntctan 240
aggatccaag cttacgtacg cgtgcatgcg acgtcatagc tcttntatag tgtcacctaa 300
attcaattca ctggccgctcg ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca 360
acttaatcgc cttgcagcan atcccccttt nnccanctgg ngaataccaa aaggccccg 418

<210> 320
<211> 684
<212> DNA
<213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

<220>
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<220>
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<220>
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 <222> (670)
 <223> n equals a,t,g, or c

<220>
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 <222> (684)
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 cagcgctccg natccccagt gtgaggttaa tgagcaaaat tgggtctttgg ggcccttttt 120
 gtccaagccc cactgaaagg cctcttcaga aaactattat ctttaaagcc ctactttaac 180
 tccttaattc cagcatacag ctaaaactgg atgtatatc tggcaagtaa aggctgagga 240
 ctctctttta ntctcagat ctagataact catgacattt tatttgacca acatagcaca 300
 tgatgagata tcaaggtaat taaaatagca tgcttgaaaa aaaatacgt atctgtttca 360
 cctgtaactg ttttaagccaa taaacttttc aaaatttaaa aaaaaaaaaa aagggcggcc 420
 gctctagagg atccaagctt acgtacgcgt gcatgcgacg tcatagctct tctatagtgt 480
 cacctaaatt caattcactg gccgtcgttt tacaacgtcg tgactgggaa aaccctggcg 540
 ttaccaact taatcgctt gcagcacatn cccctttcgc agctggcgta atancnaaga 600
 ggcccnaccg atcgccctt ccaacagttg cgcagcctga atggcgaaat ggacgcgccc 660
 tgtagccggn cattaagcgc cggg 684

<210> 321
 <211> 216
 <212> DNA
 <213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>

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<222> (4)

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<222> (10)

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<220>

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<222> (11)

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<222> (25)

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<222> (108)

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<222> (155)

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<222> (183)

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<222> (190)

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<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (202)

<223> n equals a,t,g, or c

<400> 321

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gtccggaatt cccgggtcga cccacgcgtc cgcccggtg gaggtgnca gaaggatgct 120
ggggataagc ccttaggcac cagcttagac acctncaaga accaggcccc gctgatgcaa 180
ganggcagan cngataccca tnagagcccc gagaat 216
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<210> 322

<211> 557

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (98)

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<220>

<221> misc feature

<222> (286)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (415)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (509)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (545)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (546)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (550)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (555)

<223> n equals a,t,g, or c

<400> 322

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gaagcataat tcatttttgt atctgtggta acaaaacntt aaccaaaaga ttttctgtcc 120
agaagcctcc ccgaccccccc aagctatttg ctcacattaa caaattaaag tgcctgaagc 180
ataattcatt ctttacctgt atactaaaaa ccctgttgta ttgatttttt tataataagc 240
ctttttacct ctgtgtaaaa aatatatata caagtgtatg atgtanattt tagttcttaa 300
ctttttttta tggttttctaa tatgtatgac caatgtagcc attgctttta aatgtaccgt 360
gtaaataata acacatccta tcagaaaaaa aaanaaaaaa gggcggccgc tctanaggat 420
ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc tatagtgtca cctaaattca 480
attcactggc cgtcgtttta caacgtcgng actgggaaaa accctgggcg ttaccaact 540
taatnngcn ttgcngg 557
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<210> 323

<211> 145

<212> DNA

<213> Homo sapiens

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<220>

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<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

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<222> (56)

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<220>

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<222> (139)

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<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (145)

<223> n equals a,t,g, or c

<400> 323

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gcacgtcata gctcttctat agtgtcacct aaattcaatt cactggccgt cgttttacaa 120
cgtcgtgact gggaaaacnn tntan 145

<210> 324

<211> 353

<212> DNA

<213> Homo sapiens

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<222> (2)

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<222> (332)

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<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

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<222> (353)

<223> n equals a,t,g, or c

<400> 324

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ctccacctca atcacactac tccccatattc tagcaacgta aaaataaaan gacagtttga 120
acatacaaaa ccnaccctcat tcctcnccac actcatcgcc cttaccacgc tactcctacc 180
tatctcccc tttataactaa taatcttata aaaaanaana aaaangggcg gncgntctag 240
aggatccaag cttacgtacg cgngcatgcg acgtcatagc tcttctatag ggtcacctaa 300
attcaattca ctggccgctcg ttttacaacg tngngactgg gaaaaccng gcn 353
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<210> 325

<211> 553

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (381)

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<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

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<220>

<221> misc feature

<222> (461)

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<220>

<221> misc feature

<222> (481)

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<220>

<221> misc feature

<222> (513)

<223> n equals a,t,g, or c

<220>

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<222> (524)

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<400> 325

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tcaactgcagt ctcaaccttc cggactcaag tgatgggtccc gcttcagcta cttgggaggc 120
tgaggcagga gaatcgcttg aacccgggag gcggagggtg cggggagccg ggattgtgcc 180
actgcactcc accctagagt gagactccct ctcaaaaaaa aaaaaaaaaa actcgagggg 240
gggcccggta cccaattcgc cctatagtga gtcgtattac aattccactg gccgtcgttt 300
tacaacgtcg tgactgggaa aaccctgggc gttacccaac ttaaatacgcc ttgcagcana 360
tcccctttcg ccagctgggt naattagcga agaggccgc accgantcgc cttcccaaca 420
gttgcgcagt ggaatggcga atggcaantg taagcttaaa ntttgtttaa aattcgcgtt 480
naaatttttg gttaaatacag ctcatTTTTT aancataagg ccgnaatcgg gaaaatccct 540
tattaaatcc aaa                                     553
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<210> 326

<211> 628

<212> DNA

<213> Homo sapiens

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<222> (3)

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<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

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<222> (434)
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<220>
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<222> (435)
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atcattgcta gaactgagag accagcctgg ctagaacttc agggcggtcc attcattctt 120
tcagtaaatg tttgcagcac atgtgttaca tgtcaggcag tgaaaccccc cacagcagcc 180
ttccctctca gaggatacat ttgtaacctat tacacagtca tcagaggaat aatttttttt 240
aatcaccagt gtgcacacag tcatggagtt gggtattccc agctaccagg gaggctgagg 300
tgggaggatt gcttgatgcc aggagttagg gaatatagtg caccgtgatt ggacttgcca 360
atagccactg cactgcggcc tggacgacgt agtgataccc tgactcttat aaataaataa 420

atgaataaac acannanaaa aaaaaaaggg cggccgctct agangatcca agcttacgta 480
cgccgtgcat gcgacgtcat aactcttcta taggggcacc taaattcaat tcactggccc 540
gccgtttaca acgtctgact gggaaaaccc tggcgttacc caacttaatc gncttgaga 600
anatccctt ttnccaactg gnggnata 628

<210> 327

<211> 416

<212> DNA

<213> Homo sapiens

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<220>

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<222> (254)

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<220>

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<222> (258)

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<220>

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<222> (260)

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<220>

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<222> (285)

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<222> (297)

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<222> (299)

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<220>
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<220>
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<222> (334)
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<220>
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<222> (349)
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<220>
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<222> (416)
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ggtgtgattt acttatgtaa attatgtaca aatttaagtt caatgaaaca ctgatttaat 120
gtactgaaag gtaaatagta ccatagttaa ttattttctg tcttgacctta ggtttatttt 180
tattatcttc aatattagaa taaatgctaa attattttca aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa gggnggangn tctanaggat ccaagcttac gtacnctgac atgcaangnn 300
atagntcttc tatagtgtca cctaaattca attnactggc cgtcgattna caacgctcgtg 360
actgggaaaa ccctggcggt acccaactta atcgccctgc agcacatccc cctttt 416

<210> 328
<211> 629
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
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<220>
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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

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<223> n equals a,t,g, or c

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<222> (598)
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<220>
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<222> (619)
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ggcggttcagt cataatccca cagatggtag cttcgcccca ttggctcctc agccaagcac 120
atacaccaaa tgtctgaacc tgcggttcct ctcgtactga gcaggattac catggcaaca 180
acacatcatc agtagggtaa aactaacctg tctcacgacg gtctaannna aaaaaaaaaa 240
annnaaaaaa gaattcnaaa agcttctcga nagtncttct aaancggccg cgggcccac 300
nattttccac ccgggtgggg taccaggtaa gtgtacccaa ttcgccctat agtgagtcgt 360
attacaattc actggccgtc gttttacaac gtctgactg ggaaaaccct ggcgttacct 420
aacttaatcg ccttgacgca catccccctt tcgccagctg gcgtaatanc gaaaaaggcc 480
gcancgatcg cccttcccaa cagtttgccg ancctgaaat ggcgaatgga aatcaatttt 540

taantgttta atgntgttaa actactgaat ccnaattggt tgggtgtttt taaaatcnca 600
gtcccaaggg tcatttcang gccctcaat 629

<210> 329
<211> 458
<212> DNA
<213> Homo sapiens

<220>
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<222> (4)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (20)
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<220>
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<222> (96)
<223> n equals a,t,g, or c

<220>
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<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
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<222> (238)
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<220>
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<222> (267)

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<222> (280)

<223> n equals a,t,g, or c

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<222> (295)

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<221> misc feature

<222> (333)

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<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

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<222> (346)

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<220>

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<222> (352)

<223> n equals a,t,g, or c

<220>
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<222> (356)
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<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
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<220>
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<222> (414)
<223> n equals a,t,g, or c

<220>
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<222> (452)
<223> n equals a,t,g, or c

<400> 329
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tccaagctta cgtacgcgtg catgcnacgt catagntctg ctatagtgtc acctaaattc 120
aattcactgg cgtcggtttt acaacgtcgt gactgggaaa accctggcgt taccctaactt 180
aatcgccctg cagnacatcc ccctttcgcc agatggcgta atagcnaaaa ggcccgcncc 240
gatcgccctt cccaacagtt gngcagnctg aatggcnaa gggangcgcc ctgtngcggc 300
gcattaagcg cggcggtgt ggtggttacg cnnagggtna ccgctnact tnccancgcc 360
ctagcgcccg gncctttcgn tttcttcct tcctttctcg ccacnttcgc cggntttccc 420
cgtcaagctc taaatcgggg ggtccctttt anggttcc 458

<210> 330
<211> 453
<212> DNA
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<400> 330

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aaaaaaaaag gcgccgntc tanaggatcc aagcttacgt acgcgtgcat gcnacgtcat 120
agctcttcta tagngtcacc taaattcaat tcaactggccg tcgttttaca acgtcgtgac 180
tgggaaaacc ctggcgttac ccaacttaat cgccttgag caccatcccc tttcgccagc 240
tggcgtaata gcgaaaaggc ccgcaccgat cgcccttccc aacagttgag cagcctgaat 300
ggcgaatggg acgcgccctg tancgngca ttaagcgcg cggtgtggt ggttacgcgc 360
agcgtgaccg ttacacttgc cagcgcccta ncgcccgtc ctttcgtttc ttcccttnc 420
ttctcgnnac gttcgccggt ttccccgta agn 453
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<210> 331

<211> 498

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<400> 331

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atagtgtcac cttaaattcaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac 180
cctggcggtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat 240
agcgaagagg cccgcaccga tcgcccttcc caacagttgc gcagcctgaa tggcgaatgg 300
gacgcgccct gtacggcgca ttaagcgcgg cgggtgtggt ggttacgccc agcgtnaccg 360
ntacacttgc cagcgcccta ncgccccgct cnttttcgct ttctttccct ttccttttct 420
tggncacggt tcncggggtt tttccccgct tnaaagcctt ttaaaatcng ggggggcttc 480
cnttttaaag gggttccc                                498
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<222> (428)

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<400> 332

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ctttatccct aacatcactg tgaataatag tggatcctat acctgccacg ccaataactc 120
agtcactggc tgcaacaggg ccacagtcaa gacgatgcat agtcactgag ctaagtccag 180
tagtagcaaa gccccaaatc aaagccagca agaccacagt cacaggagat taaggactct 240
gtggaacctg gacctggttc cacaaaatgg aacttggnat cttccatccc gttgggttctt 300
tcaaaaaacc aggggntttc ccgtcctnng ggggnttnga aggtttntcc ccnggggnaa 360
aaaaccancc ttngngnntt aaancncttt tnaangnggg ggggtttttt gggangngtt 420
ttgggntntn ggggttttta aaccnctttg 450

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<212> DNA
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<222> (399)
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tggcattgtg attggagtag tggccctggt tgctctgata gcagtagccc tggcatgtnt 120
tctgcatttc gggaagaccg gcagctcagg accactccaa tgaccacact aacaagatga 180
atgaagttac ttatnctacc ctgaactttg aagnccanca acccacacaa ccaacttcag 240
cctccccatc cctaacagcc acagaaatna tttattccag aagtaaaaaa ncagtnatga 300
aacctgggtcc tgctcnctgc agtgccctgat gtntttncaa gtctctcacc ccccatcact 360
aggaaattcc tttccctgt tngggtaaaag ggtggggana gaaancaatt tctcctactc 420
tcctncctat agga 434

<210> 334
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<222> (565)
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<222> (606)
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tccccagggt gcagtggcca ccccgtagaac ttgttctgc ctgccacaat gaacgcctgg 120
atgtgcccgt gtgggacgtg gaagccaccc tcaacttcct caaggcccac ttctcccaa 180
gcaacatcat cctggacttc cctgcagctg ggtcaacttg cccgagggat gtgcagaatg 240
tggcaagccg ccccaaactg gcgatgggag ccctggagct ggaaagccgg aattcaactc 300
tggaccctgg gaagcctgag atgatgaagt cccccacaaa caccaccca catgtgccgg 360
ctganggacc tgaggcaagt cgacccccga agcttgacc ctggcctaaa acttgaccag 420
gccaggaacc ctctgancac aatggcaaaa gcttnaaagg aatgaaccag gaancaagcc 480
gntttgggca atnggnact ttgagccaaa gccgaagaac accanggggc ttggatttgn 540
tttggttta atttccaagg ggttnaaaaa aaaaaacccg gcnttttttg gggggccccc 600
tttttnggaa gg 612

<210> 335
<211> 462
<212> DNA
<213> Homo sapiens

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<220>
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<222> (337)
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<400> 335

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agggtaagga aggaatgtgc tagaagtgct cctagtttct tgtaaaggaa gccagagttg 120
acagtacaaa gggtcgtggc cagccctgca gcttcagcac ctgccccacc cagagtggga 180
gtcaggtgga gccacctgct gggctcccc agaactttgc acacatcttg ctatgtatta 240
gccgatgtct ttagtgttga gcctctggat tctgggggtc tggccantgg ccatagttaa 300
acctgggaat gaatgggtact tgaacatctg ggcttgnacg ccacaaggaa aggccaancc 360
catgtacccc aancattctt gccaacctt gctctgggca ttccccggaag ggtcgatcct 420
taggcttngc tttaaaagcc cttgcccttg ctttntctt gg 462
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<210> 336

<211> 336

<212> DNA

<213> Homo sapiens

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aatgaattaa gaagcttcaa aaggcagctc tcctgaaagc ttctcccaa aaacacctgg 120
tactaagggt actgctgctg ctgctgctgc tgctgctgct gctgctaaan tccancnaaa 180
aanatcaccg cccganttaa aagntccncc caaaagtcct gcccaaaaan cccaggccaa 240
aaacacgctg ctccaaactc anaggtcaaa actcncccaa aaccctctcc aangctctgc 300
aaaaagctta ttgcatacnta aaattataag gtctnn 336

<210> 337
<211> 303
<212> DNA
<213> Homo sapiens

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<222> (28)
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<222> (257)
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<220>

<221> misc feature
<222> (267)
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tgananngan aactcagtag aagataatgg caagtccaga ctggggatat gatgacaaan 120
atggtcctga acaatggagc aagctgtatc ccattgccaa tggaaatnac cagtcccctg 180
ttgatattnn gnccagtga accaaacatg acacctctct ganacctatt agtgtctcct 240
acaacccanc cacagnnaaa gaaattntcc aatgtggggg cattccttcc atgtaaattt 300
ttg 303

<210> 338
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<212> DNA
<213> Homo sapiens

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<400> 338

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ttcagaaaaa gaaaactcag tagaagataa tggcaagtcc agactgggga tatgatgaca 120
aaaatggtcc tgaacaatgg agcaagctgt atcccattgc caatggaaat aaccagtccc 180
ctgttgatat taaaaccagt gaaaccaaac atgacacctc tctgaaacct attagtgtct 240
cctacaaccc agccacagcc aaagaaatta tcaatgtggg gcattccttc catgtaaatt 300
ttgaggacaa cgatnaccga tcaagtgtcg aaagggtggc ctttctctga cagctcaggc 360
tctttcagtt ccattttcac tggggcagtc aaaatgagca tggggttaana acattccagt 420
ggnttgggag tcnaaatatt ctggccgagc tttnacgtaa 460
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<211> 416

<212> DNA

<213> Homo sapiens

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<400> 339

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ggcaaacaca acggacctaa gcactggcat aaggacttcc ccattgccaa gggaagagcg 120
ccagtncccc tgttganatc gacactnecat acagccaagt ntgaaccctt ccntgaaagc 180
ccctgtttgt ttcctatgaa tcaagcaact tccctgagga tcctcaacaa tggatcatgct 240
ttcaacgtgg gagtttgnat gactctnnag gacaaagcag tgcttcaagg gaaggacccc 300
tgggttgggc actttacaga ttggttttca ttttttcaat tttcaatggg gggtttcaatt 360
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<210> 340

<211> 362

<212> DNA

<213> Homo sapiens

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<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<400> 340

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ataccaggtc aaacanttgc acctgcactg gtccgacttg ccatataagg gctcggngca 120
cagcctcgaa tggggngcac tttgccatgg gagatgcaca tagtacatgn gaaaagagaa 180
ggggacatcg aggaatgtga naanagggcc caggaaccct gaagacgaaa ttncggtgct 240
gggccttttt ggtgggaggc tgggaaccca ggtgaaacga gggctttcca gccactggtg 300
ggaggcactn tcttaatat ccccaaacct nnggntgnng cattacgatt ggcaganagg 360
ca
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362

<210> 341

<211> 328

<212> DNA

<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (98)
<223> n equals a,t,g, or c

<220>
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<222> (152)
<223> n equals a,t,g, or c

<220>
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<222> (171)
<223> n equals a,t,g, or c

<220>
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<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<400> 341
aagcctttca agatgatccc cggagtgggtg gatgggggtct tcctgcccag gcacccccag 60
ganctgctgg cctctgccga ctttcagcct gtccctanca ttgttggtgt caacaacaat 120
gaattcgggt ggctcatccc caagggtcatg angatctatg ataccagaa ngaaatggac 180
aganangcct ccangctgc tctgcagaaa atgttaacgc tgctgatttg cctcctacat 240
ttggtgacct gctgaaggaa gaattcattt gggganaatn gggatcccca aaacccccaa 300
acncatttcc nggaaaataa ttgcngaa 328

<210> 342
<211> 140
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
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<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
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<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<400> 342
aangggactt nccagtgatg cacccaagag ctntttatcc ccaacatcac tgtgaataat 60
aggggatccn atncgtgcc aagccataac tctacactgg ccttaatagg agcacagtca 120
cgaatatcnn agtctatgcn 140

<210> 343
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<400> 343
gggacagcag agctgacagt cacagcagcc ctgacaagag agttcctgga gcccaagctc 60
ttctccacag aggacaagca ggcagcagag accatggggt ccccttcagc ctgtccatac 120
agagtgtgca ttccctggca ggggctcctg ctcacagcct cgcttttaac cttctggaac 180
ctgccaaaca gtgccagac caatattgat gtcgtgccgt tcaatgtcgc agaagggaag 240

gaggctcttc tagtagtcca taatgagtc cagaatcttt atggctacaa ctggtacaaa 300
ggggaaaggg tgcattgcaa ctatcgaatt ataggatatt gtaaaaaata taagtcaaga 360
aaatgcccaa ggcccacac aacgtcgaga gacaintacc caatggaacc ttgtgttcca 420
nacgtaccac atgcnagga ttttctccta ctataaana aanttgatg agaatac 477

<210> 344

<211> 389

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

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<222> (4)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
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<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (22)
<223> n equals a,t,g, or c

<220>
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<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (201)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<400> 344

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ctccaccgcg gtgcgaccgc tctagaacta gtggatcccc cgggctgcag gaattcggca 120
cgaggccggc cggggctggc acgnncgccg cggcggggnc tggaggcgcg accgggcgcc 180
cccgagcggg aatcagaacg ncgccgaggg gaccagatca acgccagcaa gaacgaggag 240
gacgcgggaa aaatgttcgt tgggtggcctg agctgggata ctagcaaaaa agatttaaaa 300
gactatttta ctaaatttgg agaggtcgtt gactgtacaa taaaaatgga tcccaacact 360
ggacgggtcaa gaggggttng gtttatcct 389
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<210> 345

<211> 152

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
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<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<400> 345
tcgacccacg ngtcgggggc gcaccatggc ccgnggggct gngctggngc tgctgctctt 60
nggncgtgctg ggtgttctgg tcgncgnccc ggatggtggt ttcgatttat ccgatgccct 120
tctgacaat gaaaacaaga aaccactgc aa 152

<210> 346
<211> 634
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (598)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<400> 346
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catatcccaa gtcattctcag aaattgatgg taacaggatg accttgagcc aagaaggagc 120
acaagattcc ttccctcttc agcagaagat cttgggttgc tctttgatgc tcttgatcag 180
gcagttgaaa atcaaagagg tcaactctggg gaagttatat gaagcctaca gtaaagtctg 240
tcgcaaacag caggtggcgg ctgtggacca gtcagagtgt ttgncacttt cagggtcttt 300
ggaagccagg ggcatttttag gattaaagag aaacaaggaa acccgtttga caaagggtgtt 360
tttcaagatt gaagagaaaag aaatagaaca tgctctgaaa gataaagctt taattggaaa 420
tatcttagct actggattgc cttaaattct tctcttacac cccacccgaa agtattcaag 480
ctggcattta nagagctaca ggcttcattt taaggcttta cacattcggg cctgaaaaca 540
aatatgacct tttttacttg aagccaatga attttaatct atagancntt aaaattanca 600
cagaataata tcnttggggc ntactatttt accc 634

<210> 347
<211> 363
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (268)

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<220>

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<222> (319)

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<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (323)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<400> 347

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ggcacgagag gaatatggag aggctgactc ttgcttggtg tgggggtggcc ctgaattcctt 60
ttgaggacct aagtcctgac tgcttgggac atgcaggact tgtatatgag tatacattgg 120
gagaagttca cctttattga gaagtgtaac aaccctcggt ctatcacatt attgatcaaa 180
ggaccaaata agcccaact tagatcaaag atgcagtaaa gggatgggct tgnagggtg 240
tncaaaaatg ctgttgatga tggctgtntg gttccgggtg ctggtgctgt ggaagtggca 300
atggcagaag ccctggatna annnnaantc catgtaaagg gcaaggcaca gttgggggtcc 360
agc 363

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<210> 348
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<400> 348
aattcggcac gagctgaagg ctagcaaacc gagcgatcat gtcgcacaaa caaatttact 60
attcggacaa atacgacgac gaggagtttg agtatcgggt agtgctggcg cgggagcaat 120
agcgagggtc gtgagctttg gccgctgagg gcacaaggaa ttagtaacag gaactgaggc 180
gatagaattg gcgcatgcgt atganacatg tcatgctgcc caaggacata gccaaagctgg 240
tccctaaaac ccatctgatg tctgaatctg aatggaggaa tcttggcggt cagcagagtc 300
agggatgggt ccattatatg atccatgaac cagaacctna aatnttgctg ttccggggcc 360
attnccagga accaaggaat tnagtttc 388

<210> 349
<211> 194
<212> DNA
<213> Homo sapiens

<220>
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<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (51)
<223> n equals a,t,g, or c

<220>
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<222> (57)
<223> n equals a,t,g, or c

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<222> (60)
<223> n equals a,t,g, or c

<220>
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<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
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<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
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<222> (91)
<223> n equals a,t,g, or c

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<222> (124)
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<220>
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<222> (127)
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<220>
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<222> (140)

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<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<400> 349

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taatttnang cagngcgcca gcnggatggt ncacaagcag atatactact cggacaagta 120
cttngangaa cactacgagn accgggatgg tatgttaccc agagaacttg acaaacaagn 180
acctaaaact natc 194

<210> 350

<211> 524

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

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<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (17)

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<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

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<222> (98)

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<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)

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<222> (240)

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<220>

<221> misc feature

<222> (258)

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<220>

<221> misc feature

<222> (484)

<223> n equals a,t,g, or c

<400> 350

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ctagtgggtc ccccgggcct gcagnaattc ggcaagtncg naaagcccta cggcgtcact 120
gcaatgtgct ggaactggga gcaagtgnca gcggctggac ggcattcctga gtcgagacca 180
ttccgattca cgggcgcggc aacttcccca cgctcgagct gcagccgagc ctgtatcgtn 240
aaggtggtgc ggcgggcgnt tgccgagaag cgcattcggcg tccgcgacgt gcgcctcaac 300
ggctcggcag ccagccatgt cctgcaccag gacagcggcc tgggctacaa ggacctggac 360
ctcatcttct gcgccgacct gcgcggggaa ggggagtttc agactgtgaa ggacgtcgtg 420
ctggactgcc tggttggaact cttacccgag ggggtgaaca aagagaagat cacaccactc 480
acgntcaagg aagcttatgt gcagaaaatg gttaaagtgt gcaa 524
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<210> 351

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

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<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (291)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<400> 351

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gccaaatcct ttgaatactg ngccaggatt tttaagcaac actttatgga cagcagaata 60
ccttgcttaa tcgtagctgc aaagtcagac ctgcatgaag ttaaacaaga atacagtatt 120
tcacctactg atttctgcag gaaacacaaa atgcctccac cacaagcctt cacttgcaat 180
actgctgatg cccccagtaa ggatatcttt ggtaaattga caacaatggc catgtatccc 240
catgccgggt tacgctgtat ntgcacctgc aacaggtgta cattttgcat ntgtnaaaac 300
ttcctcaact tatactttgc tgcaaantg gtaaaagaac aaaaatcntt tc 352
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<210> 352

<211> 632

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<400> 352

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ctctagaact agtggatccc cggggctgca ggaattcggc acgaggtgtg tcagaacaat 120
cttgaatcat gaagctacta accagagccg gctctttctc gagattttat tccctcaaag 180
ttgcccccaa agttaagcc acagctgcgc ctgcaggagc accgccacaa cctcaggacc 240
ttgagtttac caagttacca aatggcttgg tgattgcttc tttggaaaac tattctcctg 300
tatcaagaat tggtttggtc attaaagcag gcagtagata tgaggacttc agcaatttag 360
gaaccaccca tttgctgcgt cttacatcca gtctgacgac aaaaggagct tcattcttca 420
agataacccg tggaattgaa gcagttggtg gcaaattaag tgtgaccgca acaagggaaa 480
acatggctta tactgtggaa tgcctgcggg gtgatgttga tattctaata gagttcctgc 540
tcaatgtcac cacagcacca gaatttcgtc gttgggaagt agctgacctt cagcctcagc 600
taaagattga caaagctgtg gcctttcaga at                                     632
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<210> 353

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<400> 353

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ctttaactcc accattagca cccaaagcta agattctaata ttaaactatt ctctgttctt 60
tcatggggaa gcagatttgg gtaccaccca agtattgact caccatcaa caaccgctat 120
gtatttcgta cttactgcc agccaccatg aatattgtac ggtaccataa atacttgacc 180
acctgtagta cataaaaacc caatccacat caaaaccccc tccccatgct tacaagcaag 240
tacagcaatc aaccctcaac tatcacacat caactgcaac tccaaagcca cccctcacc 300
actaggatac caacaaacct accaccctt aacagtacat agtacataaa gccatttacc 360
gtacatagca cattacagtc aaatcccttc tcgtcccat ggatgacccc cctcagatag 420
gggtcccttg accancatcc                                     440
```

<210> 354

<211> 609

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<400> 354
aanenganac naaccctcac taaaggggaac aaaagctgga gctccaccgc ggtgcggccg 60
ctctagaact agtggatccc ccgggctgca ggaattcggc acgagccgga ggggtgtgtgt 120
tgggcaaagc cggaggagna ggaggacgat tgttttacgg atcccgtgat cggcccgtcc 180
ttctcccctt tccccctcc ctaccgcccc tgtcccgcg gggagcggcg gcggccttgg 240
actttgctgt ctttcctcgc ggagacagat ttcaacacta cacttgacaca atgtctttga 300
aaccaagagt agtagatttt gatgaaacat ggaacaaact tttgacgaca ataaaagccg 360
tggtcatggt ggaatacgtc gaaagagcaa catggaatga ccgtttctca gatatctatg 420
ctttatgtgt ggcctatcct gaacccttg gagaaagact ttatacagaa actaagattt 480
ttttgaaaa tcatgttcgg catttgcata agagagtttt ggagtcagaa gaacaagtac 540
ttgttatgta tcataggtac tgggaagaat acagcaaggg tgcagactat atggactgct 600
tatataggt 609

<210> 355
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<400> 355

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gctccattat tgatcggttc atgcagaata attgtgtgcc caagaagatg ctgcagctgg 60
ttggtgtcac tgccatgttt attgcaagca aatatgaaga aatgtaccct ccagaaattg 120
gtgactttgc ttttgtgact gacaacactt atactaagca ccaaatacaga cagatggaaa 180
tgaagattct aagagcttta aactttggtc tgggtcggcc tctacctttg cacttccttc 240
ggagagcatc taagattgga gaggttgatg tcgagcagca tactttggcc aaataacctga 300
tggaactaac tatgttggac tatgacatgg tgcactttcc tccttctnaa attgcagcag 360
gagctttntg cttagcactg aaaattctgg gataatggtg aatggttatg cagcacctgg 420
ctaagaatgt agtcatgggt aaatcaaggn nttacaaagc acatgc 466
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<210> 356

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (436)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

<400> 356

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ggatgatgagg aggcttgtcc agaggacaag ggaccccagg acccacaggc actggcgctg 60
gacaccaga tccctgcaac ccttggaacc aaacccctgg tccgcaccag ccgggagcca 120
```

```

gggaaggacg tcacgacctc aggggtactcc tccgtcagca ccgcaagtcc cacaagctcc 180
gtggacggtg gcttgggggc cctgccccaa cctacctcag tgctgtccct ggacagtgc 240
tcgcacacac agccctgcca ccatcaggnc aggaagtcac gtttacagtgc tcgtccccc 300
agtcccccg agagcagtgt tccccagcaa cagggtgaagc ggataaacta tgcatacaca 360
gtgaagagga ggacntgaan ctgggcttgt gaagctgtaa gtgtgtcagc acatttgcgc 420
agtggatttt actgangggn tgaagng

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447

<210> 357

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (486)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (500)

<223> n equals a,t,g, or c

<400> 357

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gatgatgtgc ggggcgccct ccgcccacgc gccggccacc gccgagaccc agcacatcgc 120
cgaccagggtg aggtcccagc ttgaagagaa agaaaacaag aagttccctg tgtttaaggc 180
cgtgtcattc aagagccagg tggtcgcggg gacaaactac ttcatacaagg tgcacgtcgg 240
cgacgaggac ttcgtacacc tgcgagtgtt ccaatctctc cctcatgaaa acaagccctt 300
gaccttatct aactaccaga ccaacaaagc caagcatgat gagctgacct atttctgac 360
ctgacttttg acaaggccct tcagccagaa gactgacaaa gtcacccctc gtctaccaga 420
gcgtgcactt gtgatcctaa aataagcttc atntccgggc tgtgcccctt ggggtggaag 480

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gggcangatt ntgcanctgn ttttgcat

510

<210> 358

<211> 240

<212> DNA

<213> Homo sapiens

<400> 358

ggtcttgacac tcatgagctg tccccacatt aggcttaaaa acagatgcaa ttcccggacg 60
tctaaaccaa accactttca cgcctacacg accgggggta tactacggtc aatgctctga 120
aatctgtgga gcaaaccaca gtttcatgcc catcgtccta gaattaattc cctataaaat 180
ctttgaaata gggcccgat ttaccctata gcacccctc tacctcctct agagccaaaa 240

<210> 359

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 359

ggcagagct cataaggaaa tctacccta tgatccag gaacttagac caactttaaa 60
tgaactggga atctccactc cggagggaact ggccttgac aaagtgtaaa ccgcatggat 120
gggcttcccc aaggatttat tgacattgct acttgagtgt gaacagttac ctggaaatac 180
tgatgataac atattacctt atttgaacaa gttttccttt attgagtacc aagccatgta 240
atggtaactt ggactttaat aaaaaggaaa tgagtttgaa ccggaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaagaaan aaagaaggga nagnnaanaa 340

<210> 360
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<400> 360
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taacaggggc cctctcagcc ctctaatga cctccggcct agccatgtga tttcacttcc 120
actccataaa gctcctcata ctaaggnnta ctaaccaaca cactaaccat ataccaatga 180
tggcgcgatg tnacacgaag aaagcacata ccaagggcac cacacaccac ctgtccaaaa 240
angncttcga tacgggataa tcctatztat tacctcagaa gtttttttct tcgcaggatt 300
ttctgagctt ttacactcca gcctagccct acccccact aagaaggnac tggccccaac 360
aagnatcacc cgctaaatcc ctanaatcca ctctaaaca ctccgtatat cgatcaggat 420
atcatcactg actcacatat ctaatagaaa aaacngaaac aatantcanc atgnattatta 480
aatttatggt ntctatttac c 501

<210> 361
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 361
gccccattat tcctagaacc aggcgacctg cgactccttg acgttgacaa tcgagtagta 60
ctccccgattg aagcccccat tcgtataata attacatcac aagacgtctt gcactcatga 120
gctgtcccca cattaggctt aaaaacagat gcaattcccg gacgtctaaa ccaaaccact 180
ttcacgcgta cacgaccggg ggtatactac ggtcaatgct ctgaaatctg tggagcaaac 240
cacagtttca tgcccatcgt cctagaatta attcccctaa aaatccttga aatagggccc 300
gtattttaccc tatagcaccc cctctacccc ctctagagcc aaaaaaaaaa aaaaagntnc 360
aagnttnaaa aaactgaaaa tcagaaaaagn ttt 393

<210> 362
<211> 664
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (551)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (642)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (660)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (662)

<223> n equals a,t,g, or c

<400> 362

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acgccctcat aatcattttc cttatctgct tcctagtccct gtatgccctt ttcctaacac 120
tcacaacaaa actaactaat actaacatct cagacgctca ggaaatagaa accgtctgaa 180
ctatcctgcc cgcacatccc tagtcctcat cgcctcccca tccctacgca tccctttacat 240
aacagacgag gtcaacgata cctcccttac catcaaatac attggccacc aatgggtactg 300
aacctacnaa gtacaccgac tacggcggac taatcttcaa ctccctacata cttccccatt 360
attcctagaa ccaggcgacc tgcgactcct tgacgttgac aatcgagtag tactcccgat 420
tgaagccccc attcgtataa taattacatc acaagacgct ttgcactcat gagctgtccc 480
cacattaggc ttaaaaacag atgcaattcc ccgacgtcta aaccaaacca ctttnaccgg 540
tacacgaacc nggggtatta ctacggncaa tgctctgaaa tctgggggagc aaaaccacag 600
gttcatgccc atcgtcctag aaataaattc ccctaaaaat cnttgaaaaa agggggcccg 660
antt 664
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<210> 363

<211> 595

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (466)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (515)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (552)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (559)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<400> 363
gcgcaagtag gtctacaaga cgctacttcc cctatcatag aagagcttat cacctttcat 60
gatcacgccc tcataatcat ttcccttata tgcttcctag tctgtatgc ccttttccta 120
acactcacaa caaaactaac taataactaac atctcagacg ctcaggaaat agaaaccgtc 180
tgaactatcc tgcccgccat catcctagtc ctcacgccc tcccatccct acgcacccct 240
tacataacag acgaggtcaa cgatccctcc cttaccatca aatcaattgg ccaccaatgg 300
tactgaacct acgagtacac cgactacggc ggactaatct tcaactccta catacttccc 360
ccattattcc tagaaccagg cgacctgcga ctccttgacg ttgacaatc gagtagtact 420
cccgattgaa gcccccattc gtataataat tacatcacaa gacgtnttg cactcatgag 480
ctgtncaccac attaagctta aaaacagatg cattnccgga cgtctaaacc aaaccacttt 540
caccgatata cnaaccngng ggtatacnac cgggtcaatgc ttctgaaatc ttgtg 595

<210> 364
<211> 441
<212> DNA
<213> Homo sapiens

<400> 364
acaagacgct acttccccta tcatagaaga gcttatcacc tttcatgac acgcccctcat 60
aatcattttc cttatctgct tcctagtctt gtatgccctt ttcctaacac tcacaacaaa 120
actaactaat actaacatct cagacgctca ggaaatagaa accgtctgaa ctatcctgcc 180
cgccatcatc ctagtctctca tcgcccctcc atccctacgc atcctttaca taacagacga 240
ggtcaacgat ccctcccttt accatcaaat caattgggccc accaatggta ctgaacctac 300
gagtacaccg actacggcgg actaatcttc aactcctaca tacttcccc attattccta 360
gaaccaggcg acctgcgact ccttgacgtt gacaatcgag tagtactccc gattgaagcc 420
cccatcgtta taataattaa c 441

<210> 365
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<400> 365
cataacttccc ccattattcc tagaaccagg cgacctgcga ctcccttgacg ttgacaatcg 60
agtagtactc ccgattgaag cccccattcg tataataatt acatcacaag acgtcttgca 120
ctcatgagct gtccccacat taggcttaaa aacagatgca attcccggac gtctaaacca 180
aaccactttc accgctacac gaccgggggt atactacggt caatgctctg aaatctgtgg 240
agcaaaccac agtttcatgc ccatcgctct agaattaatt cccctaaaaa tctttggaaa 300
tagggcccggt atttacccta tagcaccccc tctaccccct ctagagncaa aaaaaaaaaa 360
annagnn 367

<210> 366
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 366
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cctacgagta caccgactac ggcggactaa tcttcaactc ctacatactt cccccattat 120
tcctagaacc aggcgacctg cgactccttg acgntgacaa tcgagtagta ctcccgattg 180
aaacccccat tcggataata attacatata nggacgtctt gcactcatga gctgccccac 240
attaggctta aaaacagatg caattccccg acgtctaaac caaaccacta tcaccgctac 300
acgaccgggg gtatactacg gncaatgctc tgaaanctgn ggagcaaacc acagnntcat 360
gcccatcggc ctagaatnaa ttcccctaaa aatctttgaa atagggcccg nantnaccct 420
atagcacccc ctctaccccc tctagagcca aaaaaaaaaa 460

<210> 367

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<400> 367

gcaagntgac acnaaccctc actaaagggg acaaaagctg gagctccacc gcggtgcggc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgaggga atggcggctt 120
ccatctctga ggcgagcgac gctatggatc ccacagtggg ttgctaagaa ggccattttc 180
aactctccac tggaggctgc tatggcgttc cctcacctgc agcagcccag ctttctactg 240
gctagcctga aagctgactc tataaataag ccctttgcac agcagtgccca agacttggtt 300
aaagtcattg aggactttcc agcaaagtct gaaccaatca gagtccttgt gactggagca 360
gctggtcaaa ttgcatattc actgctgtac agtattggaa atggatctgt ctttggtaaa 420
gatcagatgt catcgcaaca gataaagaag acgttgccct caaagacctg ggatgtggcc 480
attcttgtgg gctccatgcc aagaaggga ggcattggaga gaaaagattt actgaaagca 540
aatgtgaaaa tcttcaaata ccagggtgca gccttagata aatacggcaa gaagtcagtt 600
aaaggttatt 610

<210> 368

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<400> 368
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caccacctga atgcagagga aaatctctaa cttccaaggt cccaccaaca gttcagaaac 120
ctaccacagt aaatgttcca actacagaag tctcaccaac ttctcagaaa accaccacaa 180
aaaccaccac accaaatgct caaggtacag agactccatc agttcttcaa aaacacacca 240
cagaaaatgt ttcagctaca agaacccccc caactcctca gaaaccccacc acagtaaatg 300
tcccagctac aatagtcaca ccaacacctc agaaacccac cacattaatg ttccagttac 360
aggagtctcn tcaacacntc aagncacacc tagtaatgtt tcagttacag gncctaccac 420
ttttcgganc ccaccggggc aatgttcgnc accattcccg cgcgttcggc ntttctttca 480
aaaccttttn caagnccttt tgcgttagat cctgtggcat gttttgtnc cggcccttac 540
ggccaggt 548

<210> 369
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<400> 369
gatggcgcgg anccgggacg cgcgtacgcc ctgctgcttc tcctgatctg ctttaacggt 60
ggaagtggac ttcaacttaca ggtcttaagc acaagaaatg aaaataagct gcttcctaaa 120
catcctcatt tagtgcgcca aaagcgcgcc tggatcaccg ccccggtggc tcttcgggag 180
ggagaggatc tgtccaagaa gaatccaatt gccaaagatac attctgatct tgcagaagaa 240
agaggactca aaattactta caaatacact ggaaaaggga ttacagagcc accttttggt 300
atatttgtct ttaacaaaga tactggagaa ctgaatgtta ccagcattct tgatcgagaa 360
gaaacaccat tttttctgct aacagggttta cgctttggat gcaagaggga acaatgtaga 420
ganacccttt agagctacgc attaagggnt cttgatatcc aattgncaac ggaaccagtg 480
gttcacacag ggatgtcttt gttggggcct gttgaagagt ngaggtgcag nacatacn 538

<210> 370
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c

<400> 370
gagctcagtc cccatccccga agcacagggc aggacgtcgc ggcggagtgg ggaagcgagg 60
agtccgtggc cgggagcttg gaggctgagt ttgagaaagc tgcagaggag gttaggcacc 120
ttaagaccaa gccatcggat gaggagatgc tggtcatcta tggccactac aaacaagcaa 180
ctgtggggcga cataaataca gaacggccccg ggatgttgga cttcacgggc aaggccaagt 240
gggatgcctg gaatgagctg aaagggactt ccaaggaaga tgccatgaaa gcttacatca 300
acaaagtaga agagctaaag aaaaaatacg ggatatgaga gactggattt gggtactgtg 360
ccatgtgttt atcctaaact gagacaatgc cttgtttttt nctaataaccg tggatggtgg 420
gaatccggga aaataaccag ttaaaccagc tactcaaggc tgctcaccat acggctctaa 480
cagattaggg gntaaaacgn ttactgactt ccttgagtag ttttacctga aaccantt 538

<210> 371
<211> 224
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
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<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
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<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
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<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
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<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<400> 371
gcctgtgcct acacaccacc ntcgcngaaa gctgtgcagc gcattgcnga gtctcaccng 60
cagtctanca gcaatttgaa tgagaaccan gcctcagagg aggagganga gcngggggag 120
ctncggggagc tgggttatcc nagagaggaa gatgaggagg aagaggagga ngatgaagaa 180
gaggaagact angaggacag ccangctgaa gaccngagcg gaga 224

<210> 372
<211> 459
<212> DNA
<213> Homo sapiens

<220>
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<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
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<222> (105)
<223> n equals a,t,g, or c

<220>
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<222> (139)
<223> n equals a,t,g, or c

<220>
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<222> (140)
<223> n equals a,t,g, or c

<220>
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<222> (176)
<223> n equals a,t,g, or c

<220>
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<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
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<222> (429)
<223> n equals a,t,g, or c

<400> 372
aacttnccca atgccgaact gggaggcccc tttaaccaga tgaacggagt gnccggaaat 60
ggcatgaaca acattgacat gactggagan aagaagtcgt tgganctccc atatcccagc 120
agctttgctc ccgtctctnn acctagaaac cagaccttca cttacatggg caagtinctcc 180
attgaccctc agtaccctgg tgccagcngc taccagaag gcataatcaa tattgtgagt 240
gcaggcatct tgcaaggggt cacttcccca gcttcaacca cagcctcatc cagcgtcacc 300
tctgcctccc ccaacccact ggccacanga cccctgggtg tgtgcaccat gtcccagacc 360
cagcctgacc tggaccacct gtactctccg ccancgcctc ctctctctta ttctggctgt 420
gcaggaganc tctaccagga cccttctgcg ttctgtta 459

<210> 373
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<400> 373

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ggcagacctg aggcccatcc ccaaggngcc cagccgtagc ttcaggntct ccgccagggg 60
ccctcncggg tgcttctngt ttttaanact tccagatcga tcctntcctc ggtaccgtgg 120
gctttgggtc tggcctccac ggggtgggct tcaccctgaa agcagtttgc cgagaatgta 180
tgtgagccaa gttcgccgcc aagggggagg gccagttggg agcctgccga gcggggccaag 240
aaagtagagg acatgatgaa gaagctntgg ggtgacaggg gagccccggg gaatatggtg 300
ggggattcct gaaaactggg ggtagtgga ncaacgtagg ggcgtggtgt nctattcana 360
attggttcaa gccacaagt tttgcccaa atnttccctt ngggaccaac ttcccaagta 420
at 422
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<210> 374

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (292)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<400> 374

gcanaacatc	agcgcnnacn	gganataaaa	agattatcca	cagagcattc	cagtgtatca	60
gagtatcatc	cagccgatgg	ctatgcgttc	agtagcaaca	tttacacaag	aggatcccac	120
ctggaccaag	gggaagctgc	tgttgctttt	aagccaactt	ctaatcgcca	tattagattg	180
aaattatgaa	ccactccaaa	acacaacca	agaaatatgc	ccaatcccag	ttatgacttt	240
gtttgccagg	ggaaacaaca	gttgagctct	ccgggttcct	taaggaatga	tnnttttaga	300
naatnccttg	aatgaatcg	gaaancatgg	tngaaaaagt	tt		342

<210> 375

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (162)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<400> 375
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tatattgaga agaacgataa gctttgtcac atggacacaa ttgactggag ggacatcgtg 120
agggaccgag atgctgagat agtgggtgaag gacaatggca gnaagctgtc cccctgtca 180
tgaggtttgc aaggggcat gctgggggtcc tggatcagaa gactgccaga cattgaccaa 240
gaccatctgt gcttcctcag tgtaattggt cactgctttg gggcccaacc ccaaccagtg 300
gttgncatga tgagtgtggc cgggggttgt ttcanggcc cttcaggga acagactgtt 360
tttgnntggc cggnatattca atggaca 387

<210> 376
<211> 492
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
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<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<400> 376

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ggcagcgagaa gcaaactcaa agcatttggg tcaaaacatc ctgattgttt tatacatggt 60
ttggatgata aattcagtaa agatacaggc ataatcctta tatgcaaatn agttgatggg 120
tattttctat ggtgatttca gacaaggaac ctgcagggtca ctctggaaga tgggttacatt 180
gaattgagca ccagcgatag ggncggccca atttttaaat ctccacagac gtatatggat 240
ggtttactgc attatgtatc tgtaataagc gacaactctg ggtgagtcga ataaatactt 300
ctgtcagagc tgtgagtnga gttttactct ctnttngttt taatggaatt ttctgggtgc 360
tttttgcaaa aaatttgtcc ttgattacca aaaatacttt cactnataag tcttgncctt 420
ctttcctttt ttcccatatn caanttttct tcataaaaaa aataaacttg ccacacatgg 480
gtgggcttca tt

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492

<210> 377

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

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<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<220>

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<222> (116)

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<220>

<221> misc feature

<222> (163)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (197)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (227)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<400> 377
gacngtaccg tccnaatcc cgggtcgacc cagcgtccg aagcagcagt tagcccgccg 60
cccgcntgtn tgtccccaga gccatggaga gagccagtct gatccagaag gccaanctgg 120
cagagcaggc cgaacgctat gaggacatgg cagccttcat ganaggcgcc gtggagaagg 180
gcgaggagtc tcctgcnaag agcgaaacct gctctcagta gcctatnana ncgtggtggg 240
cggccagang gctgcctgga ggggtgctgtc cagtattgan cagaaaagca angaggaggg 300
gttcgganag gagaaggggc ccgangtgcg ttgaat 336

<210> 378
<211> 488
<212> DNA
<213> Homo sapiens

<220>
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<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (20)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<400> 378
cngtcagtna cgggtaccggn aattcccggg tgcgnaccca cgnctgtgccg ccgagaccgc 60
tgcccttgctc ggaaggggggc gagcggctgc tgcccaccca gaagcagccc gggggcggcc 120
aggtcaactc cagccgctac aagacggagc tgtgcccgcc ctttgaggaa aacggtgcct 180
gtaagtacgg ggacaagtgc cagttcgcac acggcatcca cgagctccgc agcctgacct 240
gccaccccaa gtacaagacg gagctgtgcc gcacctcca caccatcggc ttttgccctt 300
acggggccccg ctgccacttc atccacaacg ctgaagagcg ccgtgccctg gccggggccc 360
gggacctctc cgctgaccgt ccccgccctc agcatagctt tagtttgctg ggtttcccag 420
tgccgtgtgc accgcccgtg ccaccgggct gctggacagc ccacgtccat caaccaacc 480
cctatttt 488

<210> 379
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
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<222> (344)
<223> n equals a,t,g, or c

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<222> (384)
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<220>
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<222> (385)

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<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<400> 379

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ggcacgaggg ggcctcccg tgtggccacc tctgccgagg ccgcgncgcc gcgtcctacc 60
ctgccctccg tgcctctctg ctgccgcagt cgctggcggc ggcgggccgcg ttcccgcgc 120
gcantaacag ccaggagtcc aaaactactt acctggaaga ccttcacca cccctgagt 180
atgaattggc cccgtccaag ttagaagagg aagtggatga tgtctttctc attcgagctc 240
aaggactgcc ctgggtcatg gcactatggg aagatgtggc tttaactttt tttttccaga 300
cttgacagaat ccggcaacgg ttgagtaatg ggaattacat ttnctccct aaaaacaaga 360
gatgggggaa aacgtaaggg ggtnnntggc ctnaatt 398
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<210> 380

<211> 455

<212> DNA

<213> Homo sapiens

<220>

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<222> (315)

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<220>

<221> misc feature

<222> (365)

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<220>

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<222> (421)

<223> n equals a,t,g, or c

<220>

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<222> (442)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (447)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<400> 380

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tcgtgtcccg cccaccgag aaaaccgtct tcaccgtctt catgctagct gcctctggca 120
tctgcatcat cctcaatgtg gccgaggtgg tgtacctcat catccggggc tgtgcccgcc 180
gagcccagcg ccgctccaat ccaccttccc gcaagggctc gggcttcggc caccgcctct 240
cacctgaata caagcagaat gagatcaaca agctgctgag tgagcaggat ggctccctga 300
aagacatact gcgcncaacc ctggcacggg ggctgggctg gctgaaaaaa acgaccgtgc 360
tcgngtgtga tgccacatac caggcaacct cccatccac cccgacctg cctgggcgaa 420
nccctccttc tccctgccgg tnccanngg ctcac 455
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<210> 381

<211> 421

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

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<222> (4)

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<222> (8)

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<222> (156)

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<220>
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<220>
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<220>
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 <222> (410)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (421)
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<400> 381
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 ggggtgaagcg gccaggtga ggctcgccat ggccaaacag ctgcaggccc gaagctagac 120
 gggatcgact acaacccttg ggtggagttt gtgaantggc cagtgagcat gacgtcgtga 180
 acttgggcca nggcttcccg gatttccac caccagactt tgccgtggaa gcctttcagc 240
 acgctgtcag tggagacttc atgcttaacc agtacaccaa gacatttggt taccaccac 300
 tggacgagga tcctggcaat ttctttgggg gagctgctgg gtcaaggata agaccggttc 360
 agggatgtgc tggtgactgt tgggtgntat gggggccngt ttcaaaagcn ttnccaggcc 420
 n 421

<210> 382
 <211> 545
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (5)
 <223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<400> 382
aaggnagaca caancctcac taaaggggaac aaaagctgga gctccaccgc ggtgcgncgc 60
ctctagaact agtggatccc ccgggctgca ggaattcggc acgagcggcg gcggcggcgg 120
cgccccagtc ggtgtatgcc ttctcggcgc gcccgctggc cggcggggag cctgtgagcc 180
tgggctccct gcggggcaag gtactactta tcgagaatgt ggcgtccctc tgaggcacca 240
cgggtccggga ctacacccag atgaacgagc tgcagcggcg cctcggaccc cggggcctgg 300
tggtgctcgg cttcccgtgc aaccagtttg ggcattcagga gaacgccaag aacgaagaga 360
ttctgaattc cctcaagtac gtccggcctg gtggtgggtt cgagcccaac ttcattgctct 420
tcgagaagtgc cgaggtgaac ggtgccccgg cgcaccctct cttcgncttc ctgccccagg 480
ccctgccagc tcccagcgac gacgncaccg cgcttatgac cgaccccaag ctcattcacct 540
ggtct 545

<210> 383
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
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<222> (333)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<400> 383
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gatttcaata cgtctcgggg cagggccgtg ctgattgaga atgtggcttc gctctgaggc 120
acaaccaccc gggacttcac ccagctcaac gagctgcaat gccgctttcc caggcgcctg 180
gtggtccttg ggcttccctt gcaaccaatt tgggacatca gganaactgt caaaatgagg 240
anaccttgaa cagtctcaat tatnttccgt cctgggggtgg gnataccaac ccccttccc 300
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gagagacaga agtagcaaac cctctttcga gatgtccctc cagccccaga agtacctnca 180
gcctcacacc atctcttcag cctagcaagt tgctggaggg agtctataac ctaccaggag 240
ccagccagcc atttgtatca agaaatagaa atctgcaggg tacagtggct cacacctata 300
atcccagcgc tttgggaggc taagttctag gacaaaggca aggaagaaaa gcangaactt 360
naaaatccaa ttccttttgg gncttnaaat ttaaccttca agttcaaggg agctnaagta 420
aggcanaagg ccaaanggct ttttacttna acaacaacgg tgccaatttg gaaaggcaag 480
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<400> 385

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tgacgatctc gaggacctgg aagaagcaga ngagccagac atggaggaag acgatgatca 180
gaaagctgtg aaagatgaac tgtaatacgc aaagccagac ccgggcgctg ccgagacccc 240
tcgggggggct gcacaaccag cagcagcgca aggcctccga gccttgnggg ctcggtttga 300
aaagaagggn tngccgggaa acccagggna actctctnga agttganact ncancctag 360
aaaacgtccg ttnaaccctg ttnccttctt ctgcttttcg ggtttttgga aaagggattc 420
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acagaaattg gcgtgttagc caaggctttc attgaccaag ggaaactcat cccagatgat 180
gtcatgactc ggctggccct tcatgagctg aaaaatctca cccagtatag ctggctgttg 240
gatggttttc caaggacact tccacaggca gaagccctag atagagctta tcagatcgac 300
acagtgatta acctgaatgt gccctttgag gtcattaaac aacgccttac tgctcgctgg 360
attcatcccg ccagtggccg agtctataac attgaattca accctcccaa aactgtgggc 420
attgatgacc tgactgggga gcctctcatt cagcgtgagg atgataaacc agagacgggt 480
atcaagagac taaaggctta tgaagaccaa acaaagccag tcctggaata ttaccagaaa 540
aaaggggtgc tggaacatt ctccggaaca gaaaccaaca agatttggcc ctatgtatat 600
gcttttctac aactaaagtt ncacaaagaa gccagaaagc tttaattact tcatgaggag 660
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<400> 388

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ctgctgggtg ctggagaatc tggtaaaagc accattgtga agcagatgag gatcctgcat 180
gttaatgggt ttaatgnaga cagtgagaag gcaaccaaag tgcaggacat caaaaacaac 240
ctgaaagagg cgattgaaac cantgtggcc gccatgagca acctnngtgc cccccgtgga 300
gctggncaac cccgagaaac cagttcagag tggactacat cctggagtgt tatgaacgtg 360
cctggntttt gacttcctc cggattctat gagcnggcaa ggtctgtgga ggtnaagntt 420
ctgctgna                                     428
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tagcaacccg aactttccag aagaactcaa gcctctctgc aagagcccaa tgcccaggag 180

ntanttcaga ggctggagga aatcgctgna ggacccgggg cacatgtgga aatctgtgcn 240
tacgctggcc tgtaccggat gctaaggggg cttgccactg gcnggcntcc cntccgcagc 300
aggggaagnc ttttcntcnt gcagaaaggg ccacccatga tattccattc cccagcagtt 360
caactaacnt ggttccattc gggaaggagc agccggggaa gnattgggtt gattggaagg 420
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ttgctacctg gacttttcgtt gaccatgctg tccggggtgg tactttccgc cgccgccaca 180
gcgccccctc tctgaagaat gcagccttcc taggtccagg gaccctatgt actcggaact 240

gggcttatct tgtacgcttt atccaaagaa atatatgtga ttagcgcaga gaccttcaact 300
gccctatcag tactaggtgt aatgggtctat ggaattaaaa aatatgggtcc ctttggttgca 360
gactttgctg ataaactcaa tgagcaaaaa cttgcccac tagaagaggc gaanagngct 420
tccatccaac acatccagaa tgcaattgat acggagaagt cacaacaggc actgggttcag 480
aagcgccatt accttttttg atgtgcaaag gaataacatt gctatggctt tggaagttac 540
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<210> 391

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<212> DNA

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acaaaatccg gtatgaaagc ttgacagatc ccagtaaatt agactctggg aaagagctgc 360
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gaatgaccaa ggctgacttg atcaataacc ttggtactat cgccaagtct gggaccaaag 480
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gtttttattc tgcttatttg gttgctgaga aagtaactgt gatcancaaa cataacgatg 600
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ctctttacct gggatgagtg gagaaagctg gctccttctc anagaaactt gtaccgggat 180
gtgatgctgg agaactatag gaacctggtc tctactgggac tctcatttac caaaccaaaa 240
gtcatctccc tgttgacgca aggagaagat ccctggggagg tggagaaaga cagttctggt 300
gtctcctctc taggatgtaa gagcacacct aaaatgacaa agtcaactca aactcaggat 360
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gaaagatcct gcatatatga agagaaatta aagaaacagc aggacaaaaa tgaaaattta 480
caaataattt cagttgccca tacaaaaatc cttactgnag atagaagcca taaaaatggt 540
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cagggcaggg ccaactccaga gaattacctt ttccaggac ggcaggaatg ctacgcgttt 180
aatggtaaca gccagaagga catcctggag gagaaagcgg gcagtgccgg aacaggatgt 240
gcagacacaa cttacggagc tgggcgngcc catggaccct gcagcgccga gttccagcct 300
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gcacatttga ttttgcccgg ttagacatga nggggttggg ttcngttggt naaatntggg 480
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aatatccagc ctcaagttcg gttttcgcta ccggagcctt cccagaacaa actttcttg 180
cgtttgcttc caacccccag cgcccgggct atggagcggg ttcgggcgct tccttcgccg 240
cctcgatgca gggcttgtag cccggcgng ggggcatggc gggccagagc gcggncggcg 300
tctacgcggc cggctatggg ctcgagccgn gttccttcaa catgcaactgc gcgccctttg 360
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 agctgcacct tcacgtacct gctgggtggn agngngtncc gggaggccgt tntgntcgnn 120
 ccagnccctgg aaacagcgcc tcgggatgnc cagctgatca aggagctggg gnttcggctg 180
 ctctatgctg gcgttggaga ccagggccag ncctggccac aantnaggct gtgtcacctt 240
 cgttctgaat gaccacagca tggccttcac tggagatgcc ctgttgatcc gtgggtgtng 300
 gcggacagac tttcagcaag gctgttgcca agaccttgta accattcggg ccatgaaaag 360
 atctttcaaa atttccagga gactgtcttg atctaacctg gttcaagggt accatggggg 420
 ttaaantgtt caacgtggag gnngnggagg acttttnaaa cccttggttn aaccttnaat 480
 tttnaggagt ttttcaaaa 499

<210> 396
<211> 526
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tttcttttta acccctatct gaccaggaaa agaagaatcg aggtttccca cgccctagcc 180
ctcaccgaga gacaggtaaa aatctggttc cagaacagga gaatgaaatg gaaaaaggaa 240
aacaacaagg acaaatttcc cgtttcccg gaggaggtga aggacgggga aacgaaaaag 300
gaagcccaag agctggagga agacagagcc gaaggcctga caaattaact tctaccttta 360
aaattttacca cagactatta aaactaataa tcaccatatg ctgtggacac cacctatttt 420
ctttggtgga aaggacctta cctgngtttc aagctacctt catgtcactg gtcttgaggg 480
tttctgggct tttagagagg antttggngg tttaaaaang ttntag 526

<210> 397
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<400> 397

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gctttttcccg ttggggccga agtaccttcc ctgnngcggc gactcagcgg ggtgtcgttc 120
ggccggcgctg acgcagccgg atcggcgcca gacggaaacc tagcggtgac tgtatctgaa 180
ttttgcagct gcagaatgtg tagtacctta aaagggttggc aacaatgagt aaaccagaat 240
taaaggaaga caagatgctg gaggttcact ttgtgggaga tgatgatgtt cttaatcaca 300
ttctagatag agaaggagga gctaaattga agaaggagcg agcgcacttt tgggtcaaccc 360
caaaaaaata ataaagaagc cagaatatga tttggaggaa gatgaccagg aggtcttaaa 420
agatcagaac tatgtggaaa ttn                                     443
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<210> 398

<211> 652

<212> DNA

<213> Homo sapiens

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<222> (639)
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<400> 398
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tcnttgnga ctggtggnct tggcgtnct ncgggctgtn agnacctcat ntatgngcac 120
tttaccaaaag cggntgaaaa ttgtggaagt tgggtccccga gatggactac aaaatgaaaa 180
gaatatcgta tctactccag tgaaaatcaa gctgatagac atgctttctg aagcaggact 240
ctctgttata gaaaccacca nctttgagtc tcttaagtgg gttccccaga tgggtgacca 300
cactgaagtc ttgaagggca ttcanaagtt tcttggcatc aactaccag tcctgacccc 360

aaatttgaaa ggcttcgagg cancggnacc atgactnctg tgaggatgca gcactccctg 420
gcaggtcaga cctatgccgt gcccttcac cagccagacc tgcggcgaga ggaggccgctc 480
cagcagatgg cggatgccct gcagtacctg cagaaggctc tggagacatc ttcagcaagt 540
gggtgctgnc actcaccccc acctgatgag agggccatnc ctgtctgggc aatnccagca 600
acacancctt tgggagcaan ccccttgggg aatcccggnc tggggaaccc at 652

<210> 399

<211> 341

<212> DNA

<213> Homo sapiens

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<222> (84)

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<222> (137)

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<222> (302)

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<222> (310)

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<222> (332)

<223> n equals a,t,g, or c

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aaccaaggct tccctttacc tctncaactca caatgggaac atgtacacct catccctgta 120
cgggtgcctg gcctcgnttc tgtcccacca ctntgcccac gaactggctg gctccaggat 180
tggtgccttc tcttatggct ctggtttagc agcaagtttc ttttcatttc gagtatcccg 240

tctaaagggtg ttctgcagat ccatggaaaag cttctgggaa acgtatgcta gcagagcttc 300
tncccggtgan tcatatTTTT aagatccccac tnttagctgg a 341

<210> 400
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<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (484)
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tacaatcaac caacaagtca ttattaccct cactgtcaac ccaacacagg catgctcata 120
aggaaagggtt aaaaaaagta aaaggaactc ggcaaactct accccgcctg tttacaaaaa 180
acatcacctc tagcatcacc agtattagag gcaccgcctg cccagtgaac catgtttaac 240
ggcgcgggta ccctaaccgt gcaaaggtag cataatcact tggttccttaa atagggacct 300
gtatgaatgg cttcacgagg gttagctgt ctcttacttt taaccagtga aattgacctg 360
cccgatgaaga ggcggcatga cacagcaaga cnaagaagac cctatggagc tttaatttat 420
taatgcaaac agtacctaca aaccacacagg tcctaactac caaacctgca ttaaaaaaatt 480
cggntggggc gacctcggac anaaccaanc tccagcagta catgctaaac ttaccagcaa 540
acgactatat ctaattganc atacttgaca aggacaagta cctaggaaca ggnaatcttt 600
ttaa 604

<210> 401
<211> 519
<212> DNA
<213> Homo sapiens

<400> 401
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ctcttacttt taaccagtga aattgacctg cccgtgaaga ggcgggcata acacagcaag 120
acgagaagac cctatggagc ttttaatttat taatgcaaac agtacctaac aaaccacag 180
gtcctaaact accaaacctg gcattaataa ttctgggttg ggcgacctcg gagcagaacc 240
caacctccga gcagtacatg ctaagacttc accagtcaaa gcgaactact atactcaatt 300
gatccaataa cttgaccaac ggaacaagtt accctaggga taacagcgca atcctattct 360
agagtccata tcaacaatag ggtttacgac ctcgatgttg gatcaggaca tcccgatggg 420
gcagccgcta ttaaagggtc gtttgttcaa cgattaaagt cctacgtgat ctgagttcag 480
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<210> 402
<211> 265
<212> DNA
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cggtagacgtg aaactgcgaa tggctcatta aatcagttat ggttcctttg gtcgctcgt 120
cctctcctac ttggataact gtggtaattc tagagctaata acatgccgac gggcgctgac 180
ccccttcgcg ggggggatgc gtgcatttat canatcanaa ccaacccggt canccctct 240
ccggccccgg ccgngggcg gcgnc 265

<210> 403

<211> 325

<212> DNA

<213> Homo sapiens

<220>

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<222> (137)

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gatataaaga cctgaagata gtcttttctg tccaaagatg gaaaacagta ctactaccat 120
ttctcgggag gagcttnnag aactacaaga ggcatttaata aaaatagata tnnacaatat 180
tgggtatgtc agtgactatn aacttcaaga cctgtttaag gaagcaagcc ttcctctgcc 240
tggctacaag gtgcgcgaga ttntggagaa aattctatca gttgctgaca gcaacaaaga 300
tggcaaaatc aattttgaag agttt 325

<210> 404

<211> 540
<212> DNA
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<222> (489)
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<222> (526)
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<222> (537)
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ctttggggac cctcccccat gctcccctgc cccatcccct ttcccccttc cegtcttctc 120
atccctccat tcccatcttt ccccagcaat taccagctct ggctgggtcg ccacaacttg 180
tttgacgacg aaaacacagc ccagtttggt catgtcagt agagcttccc acaccctggc 240
ttcaacatga gcctcctgga gaaccacacc cgccaagcag acgaggacta cagccacgac 300
ctcatgctgc tccgcctgac agagcctgct gataccatca cagacgctgt gaaggtcggg 360
aagttgccc aagaggaacc cgaagtgggg gagcacctgg ttggcttccg gctggggcaa 420
gcattgaacc agaagaattt cttaatttca gaagatcttc aaatggtgng ganccttcaa 480
aatcctgnc taaaggaata aatggcgaaa aaagcccaac gttcanaaag gtggacngga 540

<210> 405
<211> 319
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<213> Homo sapiens

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<222> (313)
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cgaggtggtg cgctgtctgt ctgagcagag cgtnggccat ctgcgcgtgc gccggggggc 120
cggggcgcgc ctgcctgccc tgctggacga gcagcaggta aacgtgctgc tctacgacat 180
gaacggctgt tactcacgcc tcaaggagct ggtgccccacc ctgccccaga accgcaagtg 240
aagcaagggtg gagattttcc agcacgtcat cgactacatc agggacttta atttgnantt 300
naatcggant ccnaatttg 319

<210> 406
<211> 355
<212> DNA
<213> Homo sapiens

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<220>
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<222> (46)
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<222> (321)
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<220>
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<222> (325)
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ccacgtgaaa gcactacacg attccnagcc aggatgtaac tgtgcccctg ccagttccc 120
ncancttccc catgctgccca ncccngattn tggctgaaac gaccggccct ngaggacctg 180
gtcttaggtt cagaagcgaa gcatcacgtg acacantgac cggcctgaga gaatgcctct 240
ggtgaccact ntnacctggg acgccnttaa agtgggaaga gcncctgttc aaggaccacc 300
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<210> 407

<211> 437

<212> DNA

<213> Homo sapiens

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<222> (412)

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<221> misc feature

<222> (430)

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<221> misc feature

<222> (435)

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<400> 407

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cccatgccca tcatgccag cacctgaatt tcctgggggg accatcagtn ttctgttcc 120
ccccaaaacc caaggacact ctcatgaatc tcccggacct ctgaaggcca cgtgcgtggt 180
ggtggacgtg aagccaggga agaccccgag gtccagttca actggtacgt ggatggcgtg 240
gaggtgcata atgccaagac aaagccgcgg gnggagcagt tcaacagcac gtaccngtgg 300
ttcagcgtcc ttcaccgtcc tgcaccagga tggcttgaac ggcaaggag ttacaagtgg 360
caaggttttn caacaaaggg cttcccgtnc ttcttggggg aaaacctttt tncaaaggcc 420
aaggggcagn cccgngg                                     437
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<210> 408

<211> 310

<212> DNA

<213> Homo sapiens

<220>

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<222> (137)

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<400> 408

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ggcgaaagga ccacggtcac cgtctcctca gcctccacca anggccatc ggtcttcccc 120
ctggcgccct gctccangaa cacctccgaa aacacagcgg ccctgggctg cctggtcaag 180
gactacttcc ccgaaaccgg tgacggtgtc ttggaactca gggggctctg accagcgggg 240
tgcacacctt cccagctgtc ctacagtcct caggaancta ctccctcanc accntggnga 300
cgntgcctcc                                     310
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<211> 421

<212> DNA

<213> Homo sapiens

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<222> (52)

<223> n equals a,t,g, or c

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<222> (74)

<223> n equals a,t,g, or c

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tgtgtctcca ggggaaagag tcaccctctc ctgcagggcc gggcagagtg ttacagcaa 180
cttagcctgg tatcagcaga aacctggcca ggctcccagg ctctcatgt atggntcatc 240
caccanggcc actgatgtcc cagtcagggt cagtggcant gggctctggga cagagttcac 300
tctcaccatc agcagcctgc agtctgacga ttctgcagtc tatttntgtc agcagtatat 360
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<211> 448

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ggctacatca aacttcgcaa gattcgagca gcccagaata tctccaagac gatcgccaca 180
tcacagaatc gtatctatct cacagctgac aaccttgtgc tgaacctaca ggatgaaagt 240
ttcaccaggg gaagtgcag cctcatcaag ggtaagaaat ggcctagtc accaagaact 300
ccacccccag aggaagtgga tctgcttctc cagttttgga gnaccaccag ggggtccagaa 360
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ctcccanatg cgtcctgtcc caggtgcagc tgcangagtc ngggccagga ctggtgaagn 120
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<210> 412
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<212> DNA
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tccagtgtga agtgcagctg gtggagtctg ggggagccgt agtacagcct ggggggtccc 180
ttagactctc ctgtgaagcc tctggattca cctttgacaa ttatgccatg cactgggtcc 240
gtcaagctcc gngaagggt ctggagtggg tctgtctcat cagtcgggat ggtcgtaaga 300
catattttgc agactctatg aagggtcggg tcaccatctc cagagacaac agcaaaaact 360
gcctgtatct ccaagtgaac agtctgagag ttgaggacac cgncttgtat tactgtgcaa 420
aagatatccc ggggtcgtcg gtatggacgt ctggggtaaa nggacaccng nna 473

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tgacagctggt ggagtctggg ggaggcttgg tccaagccgg ggggggtccct gagactctcc 180
tgngcannct ctggcttccc cttttataac catgggatga cctgggtncg ccaggctcca 240
nngaaggggc tggaatgggt ggccaccata cagtggatg aaactganaa atactatgtg 300
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<210> 414
<211> 575
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gtgcagctgg tggagtctgg gggaggcttg gtacagccag ggcggtccct gagactctcc 180
tgtacaactt ctggattcac ctttggagat tattctatga gctgggtccg ccagggtcca 240
gggaaggggc tggagtgggt aggtttcatt agaagcaaag cgcattggtg gacaacagaa 300
tacgccgcgt ctgtgaaaag gcagattcac catctcaaag agatgattcc acaggcatcg 360
nctatctggc aaatgaacag cctgaaaccg aggacacaga cattattact gtctagacat 420
gactacaggc acacccttgg ctactggggg cagggaaccc tggtcaccgn cttctctggc 480
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<210> 415
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<212> DNA
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cgccaagttg caggaaaang tctggaatgg gtctcangta ttgacccctgc tggtaacaca 180
aactatccan gctccgtgaa nggccgattc atcatctcca gagaaaatga caagagctcc 240
tcgtatcttc aaaatgaatg ggctgacanc cggggaaaac ngtgtgtaat attgtnnaaa 300
nanaaattgc anttccctggg aantgggtan ntncgatctc ttggggccgn nggaancctt 360
ggttaaatgt nttcctcaag aattnccccg accaagnccc caaagggttt tcccgccttaa 420
ancctttgaa aaagaaac 438

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accattacca gggacacatc cacgaacaca gcctacatgg atctnagcag cctgagatct 120
gaagacacgg ctgtntatta ttgtncgagg ggattttttg gggaccgtga ttactactac 180
tactactaca tggacgtctg gggcaaagg accacggtca ccgtctcctc agcatccccg 240
accagcccca aggtcttccc gctgagcctc tgcagcacc agccagatgg gaacgtgggc 300
atgcctgct tngtccaggg cttcttcccc caggagccac ttcagtgtgg acctggagcg 360
aaagggnaca gggcgtgacc gccagaaaat tcccaccag ccaggatgcc tccgggggac 420
ctgtacanca cgagcagcca gctgaccctg ncggncacaa gtgccttagc cggnaagttn 480
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<210> 417
<211> 427
<212> DNA
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gatccacggt ggcattccagc ttacaaagtg gaggccccgg aagggttcagt ggcaggggga 120
tctgggacag atttcactct caccattagc agtctgcaac ctgaagattt tggcacttac 180
ttctgtcaac agaattacaa tgtcccgtgg aacgttcggc caggggaacn aangtggaaa 240
atgaaaccga actgtggctg caccatctgt cttcatcttc ccgccatctg atgagcagtt 300
gaaatctgga actgcctctg ttgtnttgcc tgctgaataa cttctatccc anaaaaggcc 360
aanttcattg gaaggtggat aacccccncc atcggttact cccggaaaat ntcccaaacc 420
ggacgcn 427

<210> 418
<211> 308
<212> DNA
<213> Homo sapiens

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tgacctcct angtcagccc aaggctgccc cctcggtcac tctgttcccg ccctcctctg 180
angagcttca agccaacaag gccacactgg tgtgtctcat aaatgacttc taccgggaa 240
gccgtgacag tggncctggaa angcagatan caaccccggt cnaggcggaa ttggganaaa 300
caaccaca                                     308
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<210> 419

<211> 482

<212> DNA

<213> Homo sapiens

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<222> (462)
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<400> 419
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ggcctgggtct cctctcctcc tcaactctcct cgctcactgc acagggtcct gggcccagtc 120
tgtgctgacg cagccgccct cagtgtctgg ggccccaggg cagagggta ccatctcctg 180
cactgggagc agctccaaca tcggggcagg ttatgatgta cactggtacc agcagcttcc 240
aggaacagcc cccaaagtcc tcatctatgg taacagcaat cggccctcag gggtccttga 300
ccgattctct ggctccaagt ctggcacctc agcctccctg gccatcactg ggctccaggc 360
tgaagatgan gttgattatt actgccagtc ctatgacagc agcctgggtg gttcgggtgt 420
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<210> 420
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ccccgggcag agggtcacca tctcttggtc tggaagcagc tccaacatcg gaactaatta 180
tgtatactgg taccagcagc tcccaggaac ggccccgaa gtcctcatct ataagaatga 240
tcagcggccc tcaggggtcc ctgaccgatt ctctgggtcc aagtctggca cctcagcctc 300
cctggccatc ggtgggtcc ggtccgagga tgaggctgat tattactgtg catcatggga 360
tgacagcctg agtgggtccg tcttcggcgg agggaccaag ctgaccgtct tgggtcagcc 420
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<210> 421
<211> 435

<212> DNA
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<222> (423)
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cgaccctccg ggatccctga gagattctct ggctccacct cagggacatt ggccaccgtg 180
attatcagtg gggcccaggt ggacgatgat actgacttct actgtcagtc aacacacagt 240
agtaataatg gtaggtccgt atgtcttcgg aactgggacc aaggtcaccg tccttggtca 300
gcccgaaggcc aacccaatg tcantctgtt cccggcctcc tctgaaggag nttcaagcca 360
aacaaaggca cactaagtgt gtctgatcag ngagttttaa ccgggaagtg tgaaantggg 420
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angacagacg gccangatca cctgntctgg agatgcattg ccagaacaat ctattttttg 180

gtatcaacag aagccaggcc agggccctgt attggtgatt tataaagtcc atgagaggcc 240
gtcagatgcc ctgaacgatt ctctggctcc aggtcacaga caacagtcac gttgaccatc 300
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acaatntagc cnatgtaggg tctggtcccc caaatccaga tctgtcgnaa acantnttgg 180
atcaatacnt tgccatggnc ncanaaaanc atgggtncaa catggaacan gctcttgga 240
tgctcttctg gcataanct aatatccaaa antcatnggc tgatttgccc aacttnaccc 300
ctttcccaga taagtggact gtggaagata aantcttatt tgancaagcc tttacttttc 360
atgggaaaac ttttcataca atccaaccaa tgnttcaca taaatctata gnnngtctgg 420
tgaaatntta ctattcttgg aaaaaagacg aagactnaaa ctattgtgat ggatcgccat 480
gccccggaaa cnaaacggga cgggaagaga ncnacgatga actggaacaa gcaaattgaa 540
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ttgaggaaac ngaaacanaa aat 143
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gaaggatata aaggggggtgt cggaaatcgt gcagaatggg aagcacttca agttcaccat 180
caccgctggg tccaaagtga tccaaaacga attcacggtg ggggaggaat gtgagctgga 240
gacaatgaca ggggagaaag tcaagacagt gggttcagttg gaagggtgaca ntaaactggg 300
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<212> DNA
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tgcnacgtna tagntntnt ataggggtcac cttaaattnaa ttacttggtc gtcgttttac 180
aacgtcgnga ctggnaaaac cctggngtta cccaacttaa tcgccttgca gnanatcccc 240
ntttcgccag ntggcgtaat ancnaaaagg cccgnaccga tcgccttcc naacagttgc 300
ncagcctgaa tggcaaatgg gacncncct gtacggngc attaagcncg gcgggtgtgg 360
gggttaccn cagcgtgacc gttacanttg ccagngcct agcgcgcgt cctttcgntt 420
tcttccctc ctttttcgcc acgttcgcc gttttcccg taaagcttta aatggggggc 480
tcccttnagg gttccgattt agggctttac gggacctga ccccaaaaaa ctttgnttag 540
gggggatggt cacgtagnng ggccattgcc cttgatanac gggtttttcg cccttttgac 600
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<211> 369

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cgagggtcca gcccttgggc agaaagggtg gcattggggc cagccctgga agggggatat 180
ccccccagtc ttgctcaagc ccctcaagct cctggaaaac accactttgt gcctgtttctg 240
cgcttactcc tgattaatac aatgaatttt cttgggcatt ttacaatttc caacacttta 300
aaaaaaaaaa aaaaaaattc aanggggggg cgggttncca attnccccnn ttttatttct 360
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gcgtcggcgg tagctgctnt tcctggggcc cgtgggcctc atcatgtacc tcggggggcgt 120
nttcttcac aaccggcagc gctctagcac tgccatgaca gtgatggccg acctgggcga 180
gcgcatggtc agggagaacc tcaaagtgtg gatctatccc gagggctactc gcaacgacaa 240
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tgtngcgcaa ganaaccagg gcatcttctt ctcgggggac tcctacctag tgctgcacaa 180
tggeccagaa gaggtttccc atctgcacct caacacactg ctgggagagc ggcctgtgca 240
gcaccgcgag gtaaggggca atgagtctga cctcttcatg agctacttcc cacggggcctt 300
caagtaccag gaaggtgggtt tggantcagc atttcacaag acttccacag gagccccagt 360
tgccatcaag aaantntacc aggtgaaggg gaanaanaaa tccgtccaac gagngggcat 420
gaattgggaa anttnaaatn ggggttggtt acctggaatn ggcaaaaatt tnnctgggtt 480
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tggcatgcta actagttaacg cgacccccga gcggtcggcg tcccccaact tcttagaggg 180
acaagtggcg ttcagccacc cgagattgag caataacagg tctgtgatgc ccttagatgt 240
ccggggctgc acgcgcgcta cactgactgg ctccagcgtgt gcctacccta cgccggcagg 300
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gaacgaggaa ttcccagtaa gtgcgggtca taagcttgcg ttgattaagt ccctgcccct 420
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aattcttctt gtacgncaga gancctgcc tttaaaagnt gccaacgntt ncctgacgag 180
ncctgcagcc acagtnccggc aattcctaca agtgccaa 218

<210> 432
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<212> DNA
<213> Homo sapiens

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acacacgtaa gcagaagaac ggcttccccgc ccaacttcat ccactcgctg gactcctccc 180
acatgatgct caccgcccctg cactgctaca ggaagggcct gaccttcgtc tctgtgcacg 240
actgttactg gactcacgca gctgatgtct ccgtcatgaa ccagggtgtg cgggagcagt 300
ttgtccgctt gcacagcgag cccatcctgc aggacctgtc cagattcctg gtcaagcggg 360
tctgtctctga gccccagaag atcttggagg ccagccagct naaggagaca ctgcaggcgg 420
tgcccaagcc aggggccttc gacctggagc aggtgaagcg ttccacctac ttcttcagct 480
gacaccccggt gagccttgct agtgtgtaaa taaagctctt ttgccacccc aaaaaaaaaa 540
aaaaaaaaact tgggggggggg gcccgggacc caattgcctt atagggnggn gnnttacaat 600
tcantggccg                                     610
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<210> 433

<211> 328

<212> DNA

<213> Homo sapiens

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<222> (26)

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<220>
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<220>
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<222> (314)

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<400> 433

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aagaactact ttgatgggga aggaaaagtg cggatgatcg tgtatgtgaa cccaagggt 120
gangattatg nngaaaactt ncaagtcatt agatttgcgg aagtgactca agaagttgaa 180
gtagcaagac ctgtagacaa ggtaatatgt ggtttaacgc cnngnaggag atacagaaac 240
cagntctgng gtccagttgg aaatgnacca ttgggtactg acgtggtttt ncagagtttt 300
ccacctttgc cgtncatgcg aaattttt 328
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<210> 434

<211> 535

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (77)

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<222> (274)

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<222> (351)

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<222> (405)

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<222> (454)

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<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (504)
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<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
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<400> 434
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catggaaaaat gaaatnngaa actctctgaa caagaattac aatttcgtcg tctcagtcaa 120
gagcaagttg acaactttac tctggatata aatactgcct atgccagact cagaggaatc 180
gaacaggctg ttcagagcca tgcagttgct gaagaggaag ccagaaaagc ccaccaactc 240
tggttttcag tggaggcatt aaagtacagc atgnaagacc tccatctggc agaaacacct 300
actatccccg tgggtagtgg cagttgaagc ccatccaaag ccaactgttc nggataatga 360
atctcaccga agctttaacc gcagctattc ccttcagag ttccnggacc cgtgggggtg 420
ttacatggaa gagaaccctt agggcccgtt ttcncatggt ggtttccaaa aattgggccc 480
cgagggtagg nccaatggat tggnttgaa ancccgnaat tagcttgta cccgt 535

<210> 435
<211> 524
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>

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<223> n equals a,t,g, or c

<220>
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<220>
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<222> (259)
<223> n equals a,t,g, or c

<220>
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<222> (262)
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<220>
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<222> (269)
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<220>
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<220>
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<220>
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<220>
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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<221> misc feature

<222> (380)

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<220>

<221> misc feature

<222> (498)

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<220>

<221> misc feature

<222> (500)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (518)

<223> n equals a,t,g, or c

<400> 435

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ctcatgaatc attgctccgg gtcctgcggg acatttgtca tgtactcggg ccaagcccag 120
gccctggacc acagcttnct cctgctgcaa aganganaaa accagccagc gtgagggttg 180
tctgagctt gccccaatgg cggctcgctt gacacacacc tacaccaca tcgaaganct 240
gccagtgcc aagaacacnnt cntgggggnt tccccaacng gaacttcccg ccggggccgg 300
ggggcttncc ccttagcatc tggaacgtag gtttttnnnn nnnnngnnan aaanccccct 360
ttcaattgcc cttcnaaaan ttttacctcc ccccgaaact ctttaaactc cttaaactcg 420
ggttcctctt cttccaaata ttatgttcta attttttttt tcatccctgc tttcccaata 480
taaactcagg gggaaatncn aaaaaaaaaa aaatccangg gggg 524
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<210> 436

<211> 384

<212> DNA

<213> Homo sapiens

<220>

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<222> (5)

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<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (177)

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<220>

<221> misc feature

<222> (191)

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<221> misc feature

<222> (215)

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<220>

<221> misc feature

<222> (320)

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<220>

<221> misc feature

<222> (341)

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<221> misc feature

<222> (349)

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<221> misc feature

<222> (366)

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<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<400> 436

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ttactttcatg cagttcagna ccagctcggg gtccgcggaa gaggcagccc tactggagtc 120
tcgnattctt tacccaaaga ggaagcagca gtgcctgcaa tttttctata aaatgancgg 180
ggaagtcctt ncagacagac ttcgttgtct gggtncagga ggggatgaca gcacaggcaa 240
tgttcgcaat tgggtgaagg gcagactttt caaggagatg atgaccacaa ttgggaaaat 300
tggcccatgt gggtgcttcn aagaggaaca gaatttcggg naccttttnc cagggggcaca 360
aaaggnggac ctnagagct tcaa 384

<210> 437
<211> 390
<212> DNA
<213> Homo sapiens

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<222> (372)
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<220>
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<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 437
cttgctcaat gacgccgtca ctgtgggtcct gtatcacctc tttgaggagt ttgccaaacta 60
cgaacacgtg ggcacgtgg acatcttcct cggttcctg agcttcttcg tggtagccct 120
gggcggggtg cttgtgggcg tggctacgg ggtcatcgca gccttcacct cccgatttac 180
ctccacatc cgggtcatcg agccgtctt cgtcttcctc tacagctaca tggcctactt 240
gtcagccgag ctcttccacc tgtcaggcat catggcgctc atagcctcag gagtggatgat 300
gcgnccctat gtggggangcc aacacttcca caagttccca caacaacatc aaataatttc 360
ctggaagatg tnggagcagc gtcannaagn 390

<210> 438
<211> 234
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)
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<220>
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<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 438
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tttgactcca cgcgttttgc tncattaaca acataaaacc ctcatggaca cganaaaaca 120
ccctcatgtt catacaccta tccccattc tcctcctatc cctcaacccc gacatcatta 180
ccgggttttc ctcttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 234

<210> 439
<211> 144
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)
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<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (36)
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<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
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<222> (105)
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<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<400> 439
nnctatcgat ggggagcaag agtcttttaa ataagnccat ttnagtcctt ggttaacaag 60
ggtttaaagt ggagcgaatg cacatcacag acatgaaatt ggctnacctg cctngcttag 120
aagcccttg tgtnaggtc aaca 144

<210> 440
<211> 411
<212> DNA
<213> Homo sapiens

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<220>
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<222> (86)
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<220>
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<222> (132)
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<220>
<221> misc feature
<222> (209)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

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<221> misc feature

<222> (246)

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<222> (276)

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<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (390)

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<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (410)

<223> n equals a,t,g, or c

<400> 440

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gctggccgna tcaacaagg gctggncacc aactggctgc gggccaagga gcctgccggg 120
gagaacggcg gncgcgcgct ggtgcccatg ttcgtgcgca agtcccagtt ccgcctgcc 180
ttcaaggcca ccacgcctgt catcatggng ggccccggca ccgggggtgt acccttcata 240
ggcttnatcc aggagcgggc ctggctgcga cagcanggca aggaggtggg ggagacgctg 300
ctgaactacg gctgccgccc ctcggatgag gactacctgn accggnagga gctggcgag 360
ttccacaggg acggtgcgct caccagctn aacgtggcct tctnccgggn a 411
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<210> 441
<211> 623
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (73)
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<220>
<221> misc feature
<222> (141)
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<220>
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<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

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<220>
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<222> (360)
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<220>
<221> misc feature
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<220>

<221> misc feature
<222> (407)
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<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
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<222> (449)
<223> n equals a,t,g, or c

<220>
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<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
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<220>
<221> misc feature
<222> (502)
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<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (586)
<223> n equals a,t,g, or c

<220>
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<222> (587)
<223> n equals a,t,g, or c

<220>
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<222> (619)
<223> n equals a,t,g, or c

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tggctgggccc tanccctggt gggggctctg catgcccagg cccaggactc cacctcagac 120
ctgatcccgag cccacactct nagcaaggct cctctgcagc anaacttcca cgacaaccaa 180
ttccacggga agtggtatgt ggtacgcctg gcacggaatg caattctcag anaacacaaa 240
gaccgcgaaa anatgtatgc caccatctat gagctgaagg aaacaaganc tacaatgtcc 300
ctccgcctgt ttaagaaaaa aaaatgtgac tacttggatc aggaattttg gtccaaggtn 360
gccanccggc gaattccacc ttggggacct ttaaaattgc cttggantaa ccaatttcct 420
ccttccaatt gttancacca attacaacng ccttcttttg gttttcttcc anaaaatttc 480
tccaaacaag gaatncttcc anancccccnc ttccggaaaa acaaggaatt aattccgnac 540
ttaaaggaaa aattctccgn tctccattt cttgggcccc ctaaanncaa attcgtcttc 600
ccttttccaa ccaacattnt ttt 623

<210> 442
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (121)
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<220>
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<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
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<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<400> 442
tgggcagcca cactgcacgc aggctgggcc gactgagggg ctcagangcc aggctctnag 60
gccacgcag ggcctanggt gggaagatgg cangtggggg cggcgacctg agcaccagga 120
ngctgaatga ntgtatttca ccagtagcaa atgagatgaa ccattcttct gcacacancc 180
acgatttgca aaggntgttc acggaanacc a 211

<210> 443
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<400> 443

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gtctgagtgg atggacactg cctcttagaa ctagaactta gaactttatc ttgaaaatgt 60
accactgttg cagaagctcc tcacagagta tgtgtcaggc atttttaacc tgctaaaggc 120
aagaagaagt gttcaccaca tagttgcaaa ggtcttcaac ttgccacagc caacagaaaa 180
atcaaaatga ttgaaccctt tgggaatcaa gtatattgtg gccaggccag tgtattctac 240
aaatgctttt gagggaaaatc ataaaaagac aggaagacat cataagacat ttctggatca 300
tctcaaagtg tgttgnaact gttccccaca aaaggcaaga gaattgncct ctctttgntt 360
cccatagcat tttgngtgcc agcataccgg nttaaagaa 399
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<210> 444

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (390)

<223> n equals a,t,g, or c

<400> 444

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gcgggactcc aaatgggtcg cagtcgcagc cgctctccac ggagggaacg taggcgttcc 60
cggtccacat cccgggagag agaacgcagg cgccgagaaa ggtccaggtc tcgggagaga 120
gatcggagaa ggagccgctc gcgatccccg caccgaagac gctcccgatc tccaagacga 180
catagatcca catctccttc cccttctcga ctgaaagaaa gaagagatga ggaaaagaaa 240
gaaacaaaag aaacaaagag caaagaacgg cagattactg aggaagactt agagggcaaa 300
acagaggaag aaatagaaat gatgaagtta atgggatttg cctcctttga ctccacaaaa 360
ggtaagaagg tggatngctc tgtaaatgcn tatgccataa atgtctctca gaagaggaag 420
tacaggatatg catagcccc atttttgttt gaactaataa atcag 465
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<210> 445

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<400> 445

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aagtgtctaaa gcccagagccc gagctggttt atgaagacct gaggggctca gtgaccttcc 120
actgtgccctt gggccctgag gtggcaaacg tggccaaaat tctgtctggc agagagtggg 180
gaaaagacgc ggtttccagc ttgcagattt gttaagtttc tcaggcagat tttgactttc 240
agcctttcat acttgtttaa gcaactattt gtattaaatg aagttttttg aaaaaca 297
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<210> 446

<211> 448

<212> DNA

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gaacggggcga gagagctgaa tattgacatc atcgggtgtca gcttccacgt gggaagtggc 180
tgcaccgata ctggagacct tcgtgcaagc catctccgat gcccgctgtg tcttcgacat 240
ggggagctga ggttggtttc aacatgtatc tgcttgatat cggtggtggg ctttcctggg 300
atctgnagga tgtgaaactt aaatttgga gagatcacca tggtatcaac ccagccctgg 360
gacaantant tcccggggcg aattcggggc tggacattca tagccgagcc cgggcaggat 420
aattaagttg gcttncagcn ttcaagcn 448

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<222> (260)

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<222> (262)

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<400> 447

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tgggccaacg agcaggcgct gggtccggc ctaatcctna tcaccggggg catcgtggcc 120
acagctgggc gnttnaccn ntggtacttt ggtgcctant ccattgtggc gggcgtgttt 180
gtntgcctgc tngagtaccc ccgggnaaag aggaagaagg gntccaccat ggtgcgatgg 240
ggncagaagt acatgaccgn cntggtga 268
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<210> 448

<211> 425

<212> DNA

<213> Homo sapiens

<400> 448

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cactatgtac atgttccttg tgaaatggca ggacctgtcg gagaagggtg tctaccggcg 120
cttcaccgag atctacgagt tccatctccc aagtggtttg acgggcagcg ggccgccgag 180
aaccaccagg gcacacttac cgagtactgc ggcacgctca tgagcctgcc caccaagatc 240
tcccgtgtgc cccacctcct cgacttcttc aagggtgcgcc ctgatgacct caagctcccc 300
acggacaacc agacaaaaaa gccagagaca tacttgatgc ccaaagatgg caagagtacc 360
gcgacagaca tcaccggccc catcatcctg cagacgtacc gcgccattgc caactacgag 420
aagac 425
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<210> 449

<211> 88

<212> DNA

<213> Homo sapiens

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ctttagaatt ngnggaaaat caccggat 88

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<212> DNA
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<220>
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taccgganta ngtgnggatg gtgactgant nttcaaataa antacganac tgnnccaacc 120
tctctgccac ggacatccaa ntgcttgac gcanatacca gttggaagca gagtttggtg 180
gggtgtctca acnaaaagtt gagnaagca acgt 214

<210> 451
<211> 473
<212> DNA
<213> Homo sapiens

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<220>
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<222> (469)
<223> n equals a,t,g, or c

<400> 451
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ctgttgctct tcatactgaa gcagtttagtg gcagagcagg tgacatatca gcgcaaccgc 120
tttggggccc agcaggacac tattgaggtc cctgagaagg acttggtgga taaggctcgt 180
cagatcaaca tccacaacct ctctgcattt tatgacagt agctcttcag gatgaacaaag 240
ttcagccacg acctgaaaag gaaaatgatc ctgcagcagt tctgaggccc tatgccatcc 300
ataaggattc cttgggattc tggtttgggg tggtcagtc cctctgtgct ttatggacac 360
aaaaccagan cacttgatga actcggggta ctagggtcag ggcttatagc aggatgtctg 420
gctgcacctg gcatgactgt ttgnttctcc aacctgcttt gtgcttctna cct 473

<210> 452
<211> 397
<212> DNA
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tcgttttggc attgcagcta aatatcagtt ggatcccact gcttccattt ctgcaaaagt 120
caacaactct agcttaattg gagtaggcta tactcagact ctgaggcctg gtgtgaagct 180
tacactctct ggctctggta gatgggaaga gcattaaatg ctggnaggcc acaaggttgg 240
ggctcgccct gggagttggg aggcttaatc cagctgaaag aaacctttgg ggaatgggat 300
atccagaaga tttgggcctt aatataattn ccattgtgga ccagcagcag gctttttttc 360
cccccaagaa gattgntcca aaccnangnt gatctcc 397

<210> 453
<211> 463

<212> DNA
<213> Homo sapiens

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gccaccatca actgcaagtc cagccagagt gttttataca gctccaacaa taagaactac 180
ttaacttggg accagcagaa accaggacag cctcctaagc tgctccttta ctgggcatct 240
acccgggaat ccgggggtccc tgaccgattc agtggcagcg ggtctgggac agatttcact 300
ctcaccatca gcagnctgca ggctgaagat gtggcagatt attactgtca gcaatattat 360
actactccct ggacgttcgg ccaactggacc aangtggaat tcanacgaaa ctgtggctgc 420
accatntgcc tcatntttcc gccatctggt gancagttga aat 463

<210> 454
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<213> Homo sapiens

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<220>

<221> misc feature

<222> (332)

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<400> 454

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ccacttcgta tgctgggtga aacagctcag gaganaaatg aaacgctttt tccagctctc 120
atttactcct caacaatggt gtggttggtg aatatggcag aaggagaccc ggaagctcaa 180
aggagagtat ccaaaaattc caagtataat gcagaaagca cagaaaggag tcacaagaca 240
ctgttgacaga gaatgatgat ggcgggttca gtgaggaatg ggaagcccag aaggacagtc 300
atctagggcc tcacgctct acacctgaat cn 332
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<210> 455

<211> 429

<212> DNA

<213> Homo sapiens

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<222> (382)
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cgtgggtcca gagagcgggt ttgaccgcca cattaccant ttttnancng agggtcggct 120
ctaccaagta ggaatatgct ttnaaggnta ttaaccangg tggacttaca tnagtagctg 180
atcagcggga aagactgtgc agtaattgtc acacagaaga aagtacctga caaattattg 240
gantccagca cagtgactca cttattcaag ntanctggaa acattgggtg tntgaagacc 300
ggaatgtcag ctgncagcag atcccaggta cagagggcac gctatnaggc agctaacttg 360
gaatacaagt atggctatga gnttcctgtg gncatgcctg tgtaaaagga tttccgggtat 420
ttctcaggt 429

<210> 456
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gccggttgcc aggccaagga gtggactagg gtcgccgggg aagcggtttg ggagagccca 120
tgggtgactgc gtgagtggag ccagctgtg tggatgcccc agcatggatg actacatggt 180
cctgagaatg attggggagg gctcgttcgg cagagctctt ttggttcaac atgaaagcag 240
taatcaagat gtttgccatg aaagaaataa ggcttccaag tctttctcta atacacagaa 300
ttctaggaag gaggtgttct ttttagccaa aatgaaacac cctaattatt gngccttcaa 360
agaatcattt gaaagctgca ggacacttgt atattgtgat ggaatactgt gatggacggg 420
atctaatagca aaagattaaa cagcagaaaa ggaaaagtta tttcctgaag acatgatact 480
tnaatggttt acccaaatgt gccttggagt aaaatnacat ttaccaagaa acgtgtgctn 540
ccaagagat tttnaaagtc ccaaaaaatn ttttcccta acctcaanaa ttgggaaaaa 600
gttnaaaatt ggggaaaaaac ttt                                     623

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<210> 457

<211> 441

<212> DNA

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<400> 457

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ggctgcactt gcttgcttcc acttatgctt gttctcagaa cacaaacaaa acctgtgaag 120
agtgcctgaa aaacgtctcc tgtctttggt gcaacactaa caagcttgtc ttggactacc 180
agttncaaag tcttgccacc ggcttccctt tgtaattaa ctncctgcac ctngggaatt 240
ttgttgggtn aaacttagaa gcgctgaatc atcacatggt cggtagtccg gggaaccctc 300
ctcctggggc attggcatct gctgcttgct tgcttgctgc aagaagaaaa aaagaaccgc 360
aaaccggac aggaattaaa gaaaaaaggc nttgcgttna accggaaaga aaaagcngaa 420
taccggccgg angaacggaa a                                     441
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<210> 458

<211> 419

<212> DNA

<213> Homo sapiens

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<222> (402)

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<222> (404)

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<400> 458

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ggctttctgg atggagcact cccacgacca ggagcacggg ggcttcttca cgtgccttgg 180
ccgcgagggg cgggtgtatg atgacctcaa gtatgtgtgg ctgcagggga ggcaggtatg 240
gatgtattgt cngcctgtac cgcactttcg agcgcttncg ccatgctcag cttctggacg 300
cagcanaagc aggtggtgag ttcttgctgc ggtatgcccg ggtggcacct tctggcaaga 360
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<210> 459

<211> 509

<212> DNA

<213> Homo sapiens

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<222> (40)

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<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
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<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<400> 459
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tatattaaag gcttcccaac tgatgcaact cttgatgaca taaaagaatg gttagaagat 120
aaaggtcaag tactaaaatat tcagatgaga agaacattgc ataaagcatt taagggatca 180
atttttgttg tgtttgatag cattgaatct gctaagaaat ttgtagaggc ccctggccag 240
aagtacaaag aaccagacct gctaatactt ttcaaggccg gttncctttgc caaaaaatga 300
ggaagaanca aataagtgga gctaattagg nttacagggc agagcaacca agttgaggag 360
tcctgatgna ctctggngaa gttggtcett ctnatttcgg ggttngtgcn gccntgggng 420
ttcncacttt tcatcagggn taatgtgctc ccaggccagg gtttttttag anccggcctt 480
taccngtcan tgncccctng cnggtcttg 509

<210> 460
<211> 468
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<400> 460
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gtggtgtgtt ctgactccg ctgctcgcca tgtcttctca caagactttc aggattaagc 120
gattcctggc caagaaacaa aagcaaaatc gtccatttcc ccagtggatt cggatgaaaa 180
ctggaaataa aatcaggtac aactccaaaa ggagacattg gagaagaacc aagctgggtc 240
tataaggaat tgcacatgag atggcacaca tatttatgct gtctgaaggt cacgatcatg 300
ttaccatatt aagctgaaaa tgtcaccact atctggagat ttcgacgtgt tttcctctct 360
gaatctgtta tgaacacgtt gggtggctgg attcagtaat aaatatgtaa ggcctttctt 420
tttaaaaaaa aaaaaaaaaa aaaanaaaan acaaaaaana tcaanaan 468

<210> 461
<211> 580
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<400> 460
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gtgggtgtgtt cttgactccg ctgctcgcca tgtcttctca caagactttc aggattaagc 120
gattcctggc caagaaacaa aagcaaaatc gtcccatgcc ccagtggatt cggatgaaaa 180
ctggaaataa aatcagggtac aactccaaaa ggagacattg gagaagaacc aagctggggtc 240
tataaggaat tgcacatgag atggcacaca tatttatgct gtctgaaggc cacgatcatg 300
ttaccatata aagctgaaaa tgtcaccact atctggagat ttcgacgtgt tttcctctct 360
gaatctgtta tgaacacgtt ggttggctgg attcagtaat aaatatgtaa ggcctttctt 420
tttaaaaaaa aaaaaaaaaa aaaaanaaan acaaaaaana tcaanaan 468

<210> 461
<211> 580
<212> DNA
<213> Homo sapiens

<220>
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<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

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<222> (427)
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<222> (433)
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<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
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<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (509)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (510)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (556)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (567)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<400> 461

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cgctgcagg tacgggtccg gaattcccgg gtcgaccac gcgtccgctg acccacgcgt 120
ccgccacgc gtccgcccac gcgtccgccc acgcgtccgc tgtgtcgtaa aatgggggtc 180
ccttactgca ttatcaagg aaaggcaaga ctgggacgtc tagtccacag gaagacctgc 240
accactgtng ccttcacaca ggtgaactcg gaaagacaaa ggcgttttgg ctaagctggg 300
ggaagctatc aggaccaatt acaatgacag atacgatgan atccgcccgt ccactggggg 360
tggaatgtt ccctgggtcc ctaattcttg ttgctccgta tcgcccact ccgaaaaagg 420
caaaagntta aanaactttg ccacttaaac tnggggttaa tnttctgn tnaatttncc 480
ctgttccctt aaaaataatt gaaattatnn aatttcccc tccccaaaaa aaaaaaaaaa 540
ggggggcccc ttaaanattc cccccnaag ggcnaatta 580
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<210> 462

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<400> 462

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acngnganac nancctcact aaaggggaaca aaagctggag ctccaccgcg gtgcgggccgc 60
tctagaacta gtggatcccc cgggctgcag gaattcggca cgaggcgccg ccacaatggt 120
gcgcatgaat gtcctggcag atgctctcaa gagtatcaac aatgccgaaa agagaggcaa 180
acgccaggtg cttattaggc cgtgctccaa agtcacgctc cggtttctca ctgtgatgat 240
gaagcatggt tacattggcg aatttgaaat cattgatgac cacagagctg ggaaaattgt 300
tgtgaacctc acaggcaggc taaacaagtg tggggtgatc agccccagat ttgacgtgca 360
actcaaagac ctggaaaaat ggcagaataa tctgcttcca tcccgccagt ttggtttcat 420
tgtactgaca acctcagctg gcatcatgga ccatgaagaa gcaagacgaa aacacacagg 480
agggaaaatc ctgggattct ttttctaggg atgtaataca tatatttaca aataaaatgc 540
ctcatggac 549
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<210> 463

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 463
gcctctngcg ggccctgttc aagcggaatc ctgccaaccg gctcggetcc ggccctgatg 60
gggcagagga aatcaagcgg catgtcttct actccaccat tgactggaat aagctataacc 120
gtcgtgagan cagccacccc ttcaagccag cagtgggetca gcctgatgac accttctact 180
ttgacaccga gttcacgtcc cgcacaccca aggattcccc aggcattcccc cccagcgetg 240
gggccccatca gctgttccgg ggcttcagct tcgtggccac cggcctgatg gaagacgacg 300
gcaagcctcg tgccccgcan gcacccctgc actcgggtggt acagcaactc catgggaaga 360
acctggtttt tagtgacggc tacgtggtaa aggagacaat tgggtgtgggn tcctantctg 420
agtgcgaagcg ctgtgtccac aaagggccan aacannaata atgcaatagg ggaggttaaca 480

<210> 464
<211> 220
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (170)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<400> 464

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agggacacgt cccatnnngt ggcggggegcn ctgcggccct tngtgcaggc cacggtgncc 60
gcnaccngaa gncagcctgt tttggacctt aagcggccct tcctnagccg ggagtcgctg 120
agcggccang cctgcgatcg acttgtngtc gactccntgg gtgctcaatn tccctgcttc 180
tttttggtta ttccacaca gacatcaagg tgnctgattt 220
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<210> 465

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (403)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<400> 465

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ataggcatga gccaccacgc caggccggga atgccctatt ctaattcaca taaagactcc 60
atgtgggcta gcaggcatgt gaaatgtctg ccagtgcac aacagctata taactaagaa 120
gttatctttt tcaactgtctt ctggtactct tcatttcact tgggtttttt agcaattcag 180
gaagctggaa tgtttgaatg ggtttttagct tgataccttc ttctttttcc catttggcag 240
ataataccac tagtctgacg gataaacacc tggacccaat cagggaaaat ctgggaaagc 300
actgggaaaa actgtgcccg taaactgggn ttcacacagt ctcagattga tgaattgacc 360
atgacnatga gcgagatgga tgnaagaaag gttaccagat gcncctaat gggngatgag 420
gaaggctnaa ggggcccg                                     438
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<210> 466

<211> 127

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

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<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (118)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<400> 466

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gcacgattca tgcaaaaagg naactaagca ctatgagatg cttgctaata gancagctgc 60
aaatgggtcac tgcattgata tttatgnttg tgcncctgat caaactggac ttttgganct 120
gnagtgt                                     127
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<210> 467
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
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<220>
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<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<400> 467
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gccaaggctt ggcatctggaa tggatacttg tgtcattcct ttgaagcacg gtgggctttc 120
cttggttcaa accacagatt acatttaccg gatcgtagac gacccttaca tgatgactcc 180
tgcagttgct gaantcaggc ctgtcccctg cccacacttg gcaactgggca taaagcaatt 240
agggaggaag caggaaaaggc ctctgctgct gttgcaactg aatacatgct ggcangataa 300
catgtgccaa tgtcctcagt gactctatgc aatgggggtc acggaatgtg acaatatgct 360
gatgtcctctt ggaatcataa taaaatgacc gacaggaaaa ggataaatna tcctctgatt 420
atccaagggtt ttaaaacca 439

<210> 468
<211> 484
<212> DNA
<213> Homo sapiens

<220>
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<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
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<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<400> 468
gagcaggccc gttggaagtg gttgtgacaa ccccagcaat gtggagaagc ctgggggcttg 60
cctggctctc tgtctcctcc catcgaggagg aacagagagc caggacccaaa gctccttatg 120
taagcaaccc ccagctggac ataagagatc aagatcaatg ctaaactcca atgggttcagt 180
gactgtggtt gtcttcttca agccagctga tacctgtcat actgcaggca tctaaattag 240
aaacctgcga gtaaaactga agaaagaagg atatttctaatttcttatat tgtgtaatat 300
taaggaatct cttctcgata aaatcacaca tctaagaata aggttaaaan atatttctgt 360
tataccagaa gaaacaacaa tgctgactct ttaatgaana aatactctat antanatggg 420
cgctgaatac tggttgcttcc tcacttcang aaaacataat gtntgaaaat ggacgtttca 480
ttaa 484

<210> 469
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<400> 469
cgccctggcga ttaccggtct caccatggag cggaaagtgc ttgcgctcca ggcccgaaag 60
aaaaggacca aggccaagaa ggacaaagcc caaaggaaat ctgaaactca gcaccgaggc 120
tctgctcccc actctgagag tgatctacca gagcaggaag aggagattct gggatctgat 180
gatgatgagc aagaagatcc taatgattat tgtaaaggag gttatcatct tgtgaaaatt 240
ggagatctat tcaatgggag ataccatgtg atccgaaagt taggctgggg acacttttca 300
acagtatnng ttatcatggg gtattccagt taagttttta ttggttctntg taaaaagatt 360
agttaganga ngtctaaaag ggtttgnctg agttccatgg tggaccaggg ttcaacnacn 420
ctagccgggtc cattaccaga atttggtgtt ggcaaagncc cgatcctnng ggaaccnttt 480
ctttcggaa 489

<210> 470
<211> 318
<212> DNA
<213> Homo sapiens

<220>
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<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

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<222> (73)
<223> n equals a,t,g, or c

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<222> (102)
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<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<400> 470
cntcactata tntgaggagc nggtaccct gnaggtaccg gtccggaatt cccgggtcga 60
cccacgcgtc cgnatgaca acctgatcac accagccatg annggngccg gctncctgca 120
ggggaacgtc gattcttgcc agggtgacag nggagggcct ctggtcactt cgaagaacaa 180
tatctggngg ctgatagggg atacaagctg gggttctggc tgngccaaa cttacagacc 240
aggagtgtac gggaatgnga tggnatcac ggactggatn natcgacaaa tgagggcaga 300
cggctaattcc acatggct 318

<210> 471
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (431)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

<400> 471

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ggagtataca ccatgagcaa agctcaccct cccgagttga aaaaatttat ggacaagaag 60
ttatcattga aattaaatgg tggcagacat gtccaaggaa tattgcgggg atttgatccc 120
tttatgaacc ttgtgataga tgaatgtgtg gagatggcga ctagtggaca acagaacaat 180
attggaatgg tggtaatacg aggaaatagt atcatcatgt tagaagcett ggaacgagta 240
taaataatgg ctgttcagca agagaaaccc atgtcctctc tccatagggc ctgttttact 300
atgatnttaa aaattaagtc atgtacattt tcatattaaa ctttttgta aataaaacttt 360
tgtaataatc aaaaaaaaaa aaaaaaaaaa aaacccaagg gggggcccgg tccccantcc 420
cccctntttt nattcctttn aaaatnccct ggccc 455
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<210> 472

<211> 676

<212> DNA

<213> Homo sapiens

<220>

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<222> (605)

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<220>

<221> misc feature

<222> (669)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (672)

<223> n equals a,t,g, or c

<400> 472

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gaaagagtgt atcgtatttg ttgaaaagtt ggtggggtcg ggcttaagcg gaggaggggg 120
ctctctggcc cttactcggc agatgggccc ggagagagga cgggaggtgc cgggagaaca 180
tcgagggacc ggtggaggaa gggtagctgg atgagttttg attcatcatg gataatctgt 240
catcagaaga aattcaacag agagctcacc agattactga tgagtctctg gaaagtacga 300
ggagaatcct gggtttagcc attgagtctc aggatgcagg aatcaagacc atcactatgc 360
tggaatgaaca aaaggaacaa ctaaaccgca tagaagaagg cttggaccaa ataaataagg 420
acatgagaga gacagagaag actttaacag aactcaacaa atgctgtggc ctttgtgtct 480
gcccatgtaa tagaacaaaag aactttgagt ctggcaaggc ttataagaca acatggggag 540
atgggtggaga aaactcacct tgcaatgtag tatctaaaca gccaggcccc gtgacaaatg 600
gtcanccttta gcaaccaaca acaggagcag ccagtgggtg atacattaaa cccataacta 660
atgatcccn g anaaga 676
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<210> 473

<211> 512

<212> DNA

<213> Homo sapiens

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<220>

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<222> (403)

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<220>

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<222> (457)

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<222> (487)

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<222> (495)

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<221> misc feature

<222> (500)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (506)

<223> n equals a,t,g, or c

<400> 473

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agaagggggc agcatggcgt acccggggca tcctggcgcc ggcggcgggt actaccagg 120
cgggtatgga ggggctcccg gagggcctgc gtttcccgga caaactcagg atccgctgta 180
tggttacttt gctgctgtag ctggacagga tgggcagata gatgctgatg aattgcagag 240
atgtctgaca cagtctggca ttgctggagg atacaaacct tttaacctgg agacttgccg 300
gcttatgggt tcaatgctgg atagagatat gtctggcaca atggggtttca atgaatttaa 360
agaactctgg gctgtactga atggctggag acaacacttt atnaattttt gacactgcag 420
gaatggaaca agtagacca caagaattgg ataaagnccc tgacaacaat gggatttaag 480
gtttgantcc ccaanctggn gaattnaatt gc 512
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<210> 474

<211> 272

<212> DNA

<213> Homo sapiens

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<222> (59)

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<400> 474
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ggcgtcgang gccnacgggc gcattctacgt ggggaacttc cgancgacgt gcgcgagaag 120
gnacttggna ggacctgttc tacaagtacn gccgcateccg cgagatcgag ctcaagaacc 180
ggcannccctc ntcctgtcgg cttcgtgcg cttcgaggaa cccccgagat gcanaggatg 240
ctatttatng gaagaaatgg ttatgattat gg 272

<210> 475
<211> 338
<212> DNA
<213> Homo sapiens

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<222> (298)

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<222> (318)

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<400> 475

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cgtccggcta ccattctgaa acaaagcaa gtattacatc cagcagccag aatgctggng 120
gagctgncta aggctcaaga tatagaagca ggagatggca ccacatcagn agncatcatt 180
gctggctccc tcttagattc ttgnaccaag cttcttcaga aagggattca tccaaccatc 240
atttctgagn cattccagaa ggccctggaa aagggcattg aaancttgac tgacatgnct 300
cgacctgngg aactgagnga cagagaaact ttggtaaa 338
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<210> 476

<211> 424

<212> DNA

<213> Homo sapiens

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<220>

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<222> (378)

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<220>

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<222> (381)

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<222> (388)

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<400> 476
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agaaacggtg caattcaatc gccgccctaa aggccacttc acaggagatt gtgtcctcaa 120
ttagccagga atggaaggat gagaagcggg atttgctgac tgaaggacaa agtttttagca 180
gccttgatga agaagccctg ggatcccgcac acaggccaga cctgggtccct agcactccat 240
cactgtttga agctgcttcc ttggcaacca caatttctact tcttcctata cgtcaatggg 300
cattatccac aagacaaggc ctacaatttn ttcaaaccag gtaatatattt ggtgcaattc 360
aaattaaccc ttcaaggntt nttaaccnca atcaaccatt agggcctgaa cccgtttttt 420
ttgn 424

<210> 477
<211> 228
<212> DNA
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<220>

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<220>
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<222> (223)
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ttgtgccttt nggttctttt gccaaccaaa gaactcaatg aacacttctn ntccaagctt 120
aaggcaccga ttctattga acttggtgt gtngtancag ccacnttaac ctctcatttt 180
ggaaaactac atgaaaatta taattcnagt attgctggac atnttccc 228

<210> 478
<211> 486
<212> DNA
<213> Homo sapiens

<400> 478
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ggcatgtggt ctccctggag gacgtcggcc tggctgactc gcagtggaag aacgtcaccg 120
tgcaggtggc tggcgagacc tacagcttgc acgtgggctg cgacctcata gacagcttcg 180
ctctggacga gcccttctac gacacctgc aggcggaaaa gagccgatg tacgtggcca 240
aaggctctgc cagagagagt cacttcaggg gtttgcttca gaacgtccac ctagtgtttg 300
aaaactctgt ggaagatatt ctaagcaaga agggttgcca gcaaggccag ggaggtaggt 360
gtgtgtgtgaa aaatgcattt tatatactgg cttggatgga tttctattgt gacatgggtg 420
atgtgtgtgt gtgtatgtgt gtgcattcat gcttgtaaaa atttaagtaa aaatatttgg 480
gtaact 486

<210> 479
<211> 524
<212> DNA
<213> Homo sapiens

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tgtgcctgan ctgtctgcaa taaagaagaa ttgtgtaaaa aacggcacct cgctttgctt 120
ttcctccgca accatgtctg acaaaccgga tatggctgag atcgagaaat tcgataagtc 180
gaaactgaag aagacagaga cgcaagagaa aaatccactg ccttccaaag aaacgattga 240
acaggagaag caagcaggcg aatcgtaatg aggcgtgctg cgccaatatg cactgtacat 300
tccacaagca ttgccttctt attttacttc ttttagctgt ttaactttgt aagatgcaa 360
gaggttgnt caagtttaaa tgactgtgct gcccctttca catcaaagna ctactgacaa 420
cgaaggccgc gnetgccttt cccatctgtc tatctatctg gctggcaggg naggaaagaa 480
cttgcattgt ggtgaaggaa gaagtgggtt ggaagaagtg ggggt 524

<210> 480
<211> 306
<212> DNA
<213> Homo sapiens

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<222> (34)
<223> n equals a,t,g, or c

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<222> (52)
<223> n equals a,t,g, or c

<220>
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<222> (64)
<223> n equals a,t,g, or c

<220>
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<222> (76)
<223> n equals a,t,g, or c

<220>
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<222> (97)
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<220>

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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (253)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (275)
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<220>
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<400> 480
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agtntnaggc acaggngcag agaagactgg cgtgtgnccc gagctccagg ctgcaccagc 120
aactgncann cannagtgcg tcctnnggaa cagcgaaatg ncccgnacaa cctccaagtg 180
nctgcnaggc gggngctgtgn caccttctgc ctctctgccc caatgatgaa ggnggggtcc 240
tgcccccagg tgnaacatta aactttnccc aggtngggcc tctgttcggg caccatgcca 300
ggtngt 306

<210> 481
<211> 473
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (411)
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<222> (418)
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<222> (431)
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<220>
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<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<400> 481

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agaccccttg agcaccaacc ctagtcccc gcgcggcccc ttattcgctc cgacaagatg 120
aaagaaacaa tcatgaacca ggaaaaactc gccaaactgc aggcacaagt gcgcattggg 180
gggaaaggaa ctgctcgag aaagaagaag gtggttcata gaacagccac agcagatgac 240
aaaaaacttc agttctcctt aaagaagtta ggggtaaaca atatctctgg tattgaagag 300
gtgaatatgt ttacaaacca aggaacagtg atccacttta acaaccctaa agttcaggca 360
tctntggcag cgaacacttt caccattaca ggccatgctg agacaaagca nctgacanaa 420
atgctaccca ncatcttaaa ccagnttggt gcggatagnc tgactaagtt taa 473
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<210> 482

<211> 571

<212> DNA

<213> Homo sapiens

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<222> (4)

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<221> misc feature

<222> (13)

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<221> misc feature

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<220>

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<220>
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<222> (571)
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<400> 482
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gatgacggtt ccgggcgcct ctcccaggga cncctgggtc aagggtggagt atgcctacag 120
cgacaacagc ctggaccccc ggctttttgt agaaagcacc cgcaagggga gtgtagtggtc 180
cagagctaata agcatcggtt ccaccagtgc ctcttctgtc cccaacacag atgatgagga 240
cagtgtattac caccaggagg cctacaagga gtcctacaaa gaccggcggc ggcgcgnaac 300
acacttnagg cttgagcaga agaggaggga cgccatcaag agaggctatg atgaccttca 360
gaccatcgtc cccacttgcc agcagcagga cttctccatt ggctcccaa agctcagcaa 420
agccatcgtc taaaaagac cattgactac attcagtttt tgcacaagga gaagaaaaag 480
caggaggagg aggngtcacg ttacgcaagg atgtaccggc cttaaagatca tgaaagtga 540
ctatgagcan attgtgaagg cacantagna n 571

<210> 483
<211> 220
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

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<220>
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<223> n equals a,t,g, or c

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<220>
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<220>
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<222> (215)
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<400> 483
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accacgcnt ncgggccagg atgctgaatc tgctgctgnt ggcgctggcc gtcctggcga 120
gccgcgcta cgcggnccct gcccaggcc aggccctgca gcgagtgggc atcgtcgng 180
gtnangaggc cccaggagc aagtggccct ggcangtgag 220

<210> 484
<211> 439
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (31)
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<220>
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<222> (394)
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<222> (414)
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<220>
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<222> (434)
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cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgagcag cccagcagcg 120
gctgaccctc tgcctgcggg gaagggagtc gccaggcggc cgtcatggcg gtgtcggaga 180
gccagctcaa gaaaatggtg tccaagtttt taacgatggc agttccaggg aactaatgaa 240
cctcactgga acaatccctg tgccttatag aggtaataca tacaatattc caatatgcct 300
atggctactg gacacatacc catataatcc ccctatctgt tttgttaagc ctactagttc 360
aatgactatt aaaacaggaa agcatgttga ttgnccaaaa aaattngggg gggnaaaaaa 420
ggggaaaatt ttanttttt 439

<210> 485

<211> 115
<212> DNA
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<220>
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<222> (71)
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<220>
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<220>
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<222> (89)
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<220>
<221> misc feature
<222> (104)
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<400> 485
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aaatggacnc nccctgtctg actacancnt ccacaaagaa tccnccctgc acctg 115

<210> 486
<211> 558
<212> DNA
<213> Homo sapiens

<220>
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<222> (255)

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<222> (270)

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<220>

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<222> (404)

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<222> (410)

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<220>
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<220>
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<220>
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<222> (517)
<223> n equals a,t,g, or c

<220>
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<222> (539)
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<400> 486
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ttcttttagc atcaaggaat ctgatgagaa agcaggaaag atctttttcac agatgaacaa 120
tattatgagt aaaagtttgc atgatgatgg ntttactgnt ccacagatta ttgaaatgga 180
gctggatagt caggagcaag ttgttggtgc aggatcctcc tgtgacttac attcagcaat 240
ttgcagatgc agcanccaac cttacctctn cggattctga gaagtggaac tctgtgtttc 300
ccaagcctgg gacttttggt caagtgcctg aggctgcaaa gtttgcatag gangagaatc 360
tttgtataac tcaataaactc cttgtgctga cggaattcat tngntggtan gactgnggac 420
atgccctgtt gaatccttga gtgcaataaa tcaaagtaga aggccttgna taattttaa 480
taaattanac tctgnactat gtaataaccg gaaaggnaac tgcaatcaaa tttgcttgna 540
tggaatgggg caaaatta 558

<210> 487
<211> 354
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

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<222> (21)

<223> n equals a,t,g, or c

<220>

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<222> (79)

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<222> (114)

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<220>

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<222> (115)

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<220>

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<222> (127)

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<220>

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<222> (155)

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<220>

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<222> (195)

<223> n equals a,t,g, or c

<220>

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<222> (203)

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<222> (229)
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<222> (239)
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<222> (307)
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<222> (315)
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<220>
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<222> (339)
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<220>
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<222> (343)
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<220>
<221> misc feature
<222> (346)
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<400> 487
gctctgctca acngngangg ntcggcacaa cattcagaag gaattatgtc ttcattgctgc 60
tcaagggtctc gctcagctna aggcattgtac ctacaaaggt cacaagacag gtggnnactgn 120
agagcanata tgggagatcc agaaggatca acttntatac tatccattct taaaaatgtg 180
ccttttcagca aatgntgagc atncaagctt agtggatgca acccatcana accactccna 240
aaatggatac ttagccaaaa tgattaagcg ttccttaaaa ttaacttgac caaggaaata 300
tcctttntca taaanctgtg actaggcata cactgtagnt gtnganaatt atgc 354

<210> 488
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
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<220>
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<222> (242)
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<222> (275)
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<220>
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<222> (288)
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<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (424)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (429)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (434)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
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<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
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<222> (469)
<223> n equals a,t,g, or c

<220>
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<222> (475)
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<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<400> 488

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aaatgacttc tgaagattta gaaaatgctc taaaagcagt catcaatgac aaaagttaca 120
aggagaacat catncgcctc tccagccttc acaaggaccg cccggtggag ccgctggacc 180
tggccgtgtt ctgggtggag tttgtgatga ggcacaaggg cgcgccacac ctgcgncccc 240
cnccccacgg acctcacntg gtaccagtac cattnccttg gccgtgantt ggtttcctn 300
ttggcccttg gtcntgaaat tggccttaat aacctttaaa attttgcnt natggttacc 360
cgaaaatttt ggggnaaaaa agggccnttt aagaaagccn caaaatnaga cnnccctttg 420
aaangggtn gganaaagg naaaattttt accttncng gnatttcna atttnaanag 480
atagngttta aanatttttt tttttagg 508
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<210> 489

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<400> 489

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ggctgctctg ggggatgagc tgggtgcgttt aaggaacagg ccagcactgg cattcgcaag 120
cagtggggaa ggggagagat gccgaggtgg tcagtatcct gactttcaga ggcccttttt 180
tgtttgtttt aatttttgct agattgatat taaaaactca tgtggaggaa ctcaaggaat 240
gtttagaaga ccaaaagtcc ccaatgacag gaacaaaagc aaccaatttt taactttctc 300
ttctcattcc tgttttcatt gatttccac atgtagtcct tttgtcagg aagtctttgg 360
ggaaattaag gatctttgaa gctctgaaat aggtgatcag gttagtgggtg tctgtcagct 420
gtctg 425
```

<210> 490

<211> 607

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (443)

<223> n equals a,t,g, or c

<400> 490

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ancanncnna caccacctca ctaaagggaa caaaagctgg agctccaccg cgggtgcgncc 60
gctctagaac tagtggatcc cccgggctgc aggaattcgg cacgagaagc cgtcaaggag 120
tagaaattgg tatgcttaga agcagattct aaaagcagtt tctcttcaga acatcttttt 180
tcataccact tgataagcat cttgaaacac catggctgta gctgcagtaa aatgggtgat 240
gtcaaagaga actatcttga aacattttatt tccagtccaa aatggagctt tatattgtgt 300
ttgtcataaa tctacgtatt ctctcttacc agatgactat aattgcaacg tagagcttgc 360
tctgacttct gatggcagga caatagtatg ctaccaccct tctgtggaca ttccatatga 420
acacacaaaa cctatccctc ggncagatcc tgtgcataat aatgaagaaa cacatgatca 480
agtgtgaaa accagattgg aagaaaaagt tgaacacctt gaggaaggac ctatgataga 540
acaacttagc aaaatgtttc ttactacta agcaccgttg gtatcctcat ggacgggtatc 600
acagatg                                         607
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<210> 491

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (81)

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<220>

<221> misc feature

<222> (265)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

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<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<400> 491

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gattgagttg cttctggagt nggcagggtc actgtgaacg cctacgtgag cctcttctac 120
accataaagc gggcacaagt ggtcagtcct gaaagagtcg gaagctggca tatcgggccgc 180
ccaagtgacc ctgtccagtg tctgcttgcc atcctgccag aacaggccct caagcccaag 240
agccatccca ggctgtttc agctncagct aaagcctctc tttcatctgg aagaagaggc 300
aagggggcag gagaccaggc tctagctctg gggccntcnt tcagcccca tcnggggaat 360
aaanttantt t 371
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<210> 492

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (347)

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<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (434)

<223> n equals a,t,g, or c

<400> 492

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acctttggga gtaatactga agagaggggt ctgcagaaag gatgtgtatg aagcttagat 120
aataatggct gtttcgtaaa ctgtttgaga cctattaatg aaaatgacta tttcttgctg 180
tttttatcca acgtctgcat tttccccctt taaagctgcg gtctcctggt tgataaaaga 240
atattggcca gtattgcaga ttttaactgg atttggtgta tcctccaggg gaccagtttc 300
tgtgggctgt tattggagca ggtttgtctt taactcttaa atgggtnggt ccnaattttt 360
aaaaaggaag ggccccaagt agcccagatt taaaggngta tnccattcc caaagttcct 420
tggaacaatt accnaaagga                                     440
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<210> 493

<211> 90

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

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<222> (20)

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<220>

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<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<400> 493

ngggagctgg cctggagcgn atgggcnccg tgatggatcg catggccanc ggctgncagc 60
gcatgggccc atcaatctgg agcggatcgg 90

<210> 494

<211> 218

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

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<220>

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<222> (30)

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<220>

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<222> (40)

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<222> (46)

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<220>

<221> misc feature

<222> (53)

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<220>

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<222> (78)

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<222> (87)

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<222> (95)

<223> n equals a,t,g, or c

<220>

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<222> (135)

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<220>

<221> misc feature

<222> (163)

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<220>

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<222> (192)

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<222> (216)

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<400> 494

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ctcatacaaa atttttcnga taaatgnaat ttaancctcg tcttcctcct cttcttcgtc 120
ctggttaatc tgggnagtaa cgtaattcgt aactctcttt ggntgtnagc aactgacgcg 180
caaccagttc angtagatta ttcttcttca aatatngt 218
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<210> 495

<211> 148

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (26)

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<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

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<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

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<222> (116)

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<220>

<221> misc feature

<222> (122)

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<400> 495

gttttttaaaa aaaacatgtc atgtangttg tctaaaaata aaatgcattt aaactcaaaa 60
aaaaaaaaaaaa aaaaaaaaaa aanagggggg gggcgnggga aaaaaaaaaa ngaggntgag 120
gntttgaaga agggaagggg ggcccccc 148

<210> 496

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (382)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

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<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<400> 496
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gagggaagga gcccagccag aaagcactac aatcatgggc aagttcccaa ctgagtcac 120
ttgtgagtgg ataatcagga aaaatgagga atccaaaaga caaaaatcaa agaacagatg 180
gggtctgtga ctggatcttc tatcattcca attctaaatc cgacttgaat attcctggac 240
ttacaaaatg ccaagggggg gactggaagt tgtgggatat caggggtataa attatatccg 300
tgagttgggg gaggaagac cagaattccc ttggaattgt gtattgatgc cattntaagc 360
ctaaaagatc accttgatt cncctttacct tctaaaagcc attatttatg gngttagaag 420
aagaggaaga aattcaggta ccgnaaaaca cttttgttcn gggggggggc cgtacccaat 480
tcgncccata gtgagtcgta ttacaatcac gggccgctcg ttacacggcg gacngg 536

<210> 497
<211> 93
<212> DNA
<213> Homo sapiens

<220>
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<222> (84)
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<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
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<222> (89)
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<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 497

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aaaaaaaaaa aaaaaaaaaa aaannaanna nat 93

<210> 498

<211> 392

<212> DNA

<213> Homo sapiens

<220>

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<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (106)

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<220>

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<222> (113)

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<220>

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<220>

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<222> (180)

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<220>

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<220>

<221> misc feature
<222> (245)
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<220>
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<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
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<222> (390)
<223> n equals a,t,g, or c

<400> 498
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tgacgcgccc cctgatgatg ggcctccagg ggagctcggg cctnanggcc tgnacgggtcc 120
agaggaagaa ggccgggatc gtgaccggga ggcacggcgn acaccggagc gagcgcgagn 180
ncgccgggac cgggatcgtg accgtgaccg tgaccgcgag cacaaacggg gggagcgggg 240
cattnaancg gggcagggat gaagcccgaa gttgggggcg gtggccagga caacgggttg 300
gaaggttttg gcaacgacag ccgagaattt tacntgaatt ttaaggcggc nacgttactt 360
gtncgggaaa ttggttnttt attgaagttn cc 392

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agccagggga cacagnanag aagcccacct ggacacaaca ccanaaaggc ttctatttcg 120
ggtgtggagt cttttcagca acccggtcca gtactgggcn gatacagcca tccacettac 180
agatgtgtct acgtgacgct ctgccattnc anctcgggna ctatangtaa ttctcaagaa 240
agccctcatt tttataacct gg                                     262
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<210> 500 .

<211> 437

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gactttgggg aggaatttgg tattctggtg gccttgctca gctctcattg agatcttttc 180
ctatcagaat gttagtgaat atacttcgca gctctttggt cagcaataag gaatattctt 240
tcâattcctg ctcttcaagc caatttacta caccatttg tctttccaaa attcatccca 300
acggatatant tggtttnggt cctccttgga ttcaatctgt ttcctggtaa aattgaacct 360
gtccattgtg aatcctctta attncctcct cccaaaanaa ccagnncttg taaatttntg 420
gccaaactcca ggggccca 437
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<400> 501

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atggcccatc gatgagcatt tttaacatac tccatagtct tttcctgtgg tgttaggtct 120
ttattttttat ttttttcctg ggggctgggt ggggttgggg gncanngggg gaantgncct 180
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gggagcttcc tgagagggcc gtgtcttggg agcaaggtga catatccagt ccangcacgc 180
ggaacatgac tcagaantng ggaaacaaaa aaccatcccc cncngaang gggggggcca 240
ggcccctaaa aagcacaatg gnggcnggtg gaattnggtt taaaatntcn gggttcnaaa 300
aagaccatat ttttttttcc cagttcnntn gcccncctt ttnttgtaa ggggggggt 360
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ccttccccgc tttttn 436

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<212> DNA
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nnctcaaadc cngtgactgg gatcactcaa cagnacngtg atgtangann nncaangagg 120
tgccnnnctn aactgaccaa atgctgcctt gtttgcccc taaatcaata aaatatgtna 180
aaatttgat cccctgttgt ggcatttttn tnagataatc naagcnagaa aaatganang 240
gaatnctgga ccnggnnggg aaggaaaaga accctttctt gtcgctggna actgtgttg 300
taaggaagtc caaatttgtg catatgaaat aagccgnaac cgctggaacn ncactcctat 360
gcagctnctc ttganccana aacaaggagc ttggtctaata gganatacac tgtgcttg 418

<210> 504
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<213> Homo sapiens

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atggtaatcc tgctcagtac gagaggaacc gcaggttcng acatttggtg tatgtgcttg 120
gctgangaac caatggggcg aanctaccat ctgtgggatt ntgactgaac gcctctaatt 180
cnaaatcccg cccatgcgga ac 202

<210> 505
<211> 568
<212> DNA
<213> Homo sapiens

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<220>
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<222> (404)
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<400> 505

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tcagcatctg caatgggccca aacacacctc aaattggctg agttgagaaa gcagccccag 120
tagttccatt cttgcccagc actttctgca ttccaaacag catcctacct gggtttttta 180
tccacaaagg ttagcggcca catgggtttt aaattatgaa gaaacacatt tgcctctcc 240
ttttatccaa gcaggaanat cctatatccc tgatgggttaa aaacaaatcc aggccaccct 300
gaatttgcta ccccaaaaaa gagatttggt taanctgttt cnccggttg ttccctaagg 360
ccatatttta aaattaccac tctgggggtc cntnaaaac cccngccggg gaccatcttg 420
cnntntgggt aaaaccccct gtttcaatct ctaaatttnc ccctaaggag ggggttggt 480
tnaaaatttg ggggaactta tcncccttca ngttttttcc gggtagcccc cccttgngng 540
gggaaaccct ggctcgggga ntganaaa 568

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<210> 506

<211> 187

<212> DNA

<213> Homo sapiens

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<222> (99)

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<222> (140)

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<220>

<221> misc feature

<222> (178)

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<400> 506

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taatttaagt aattgctgac tgcatagctc ttttccttna gaggctctcc attttaattc 120
aaaaagttag catatttatn aaccatgaaa ttgaaaacc agggcttttt ttttttngg 180
gggggttg 187

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<210> 507

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<212> DNA

<213> Homo sapiens

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<400> 507
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cccnnncc 68

<210> 508
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<212> DNA
<213> Homo sapiens

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tctttgtttt aatcttgcaa tgtgctttcc ttgtngctgg gcggatgaat gtttactnaa 120
cgatgaaatt ttaacatcca aagggggata ggcacttggn nccccattc tnccaaggcc 180
cgggggggcg gtttcccatg ggaatgtgaa aaggctggcc attattaagt ccctgtaaat 240
naatgtgaaa cccaccggg gcaccccccg tcccccaaag ttttggttgt ttaaaaataa 300
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ggtnag 366

<210> 509
<211> 496
<212> DNA
<213> Homo sapiens

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agggaccagg ttcgagaccc aaaccnanaa aatccaaaac ttctcttgaa aagttcaggg 180
accgtccagg ggagatgggg nggagatatg gagtgagtca cctgactcca gaagatgcca 240
gnttctctct ccagggtgct tagttggctt tgaccacccc tnaactcccca gggagctctg 300
gggcacagct tcctgcacan ccctgtgccc aaccacacag ctgccntagc tgnacccccga 360
gaagtgtctt tggttgacct tntggtgtgt ggtgaggggt ttgtgttccc ttncgttttc 420
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ttattntcgg tttatg 496

<210> 510
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gaacgatacg gcagcgccgc ggagcctcgg ttggcctcgg atagccggtc ccccgctgt 180
ccccgccggc gggccgcccc cccctccacg cgccccgcgc gcgcgggagg gcgcgtgcc 240
cgccgcgcgc cgggaccggg gtccggtgcg gagtgcctt cntcctggga aacggggccc 300
ggctggaaag gcggccgttt agaggatcca agcttacgna cgctgcatg cnangccata 360
nct 363

<210> 511
<211> 331
<212> DNA
<213> Homo sapiens

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cccacntttc cgcataagtg ttcatactgn tacatgcaga acatttgtca ggctctctgt 120
cagctttcat gtacatatgg tatagaaacc atggagttag gcacttcctg gatttttttt 180
ttatgagaaa aatactgtat ttaaaatgta aaataaactt ttaaaaagca aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaanaaaa aaaaaaaaaa agaaaaacag 300
nttaaaaaaac anaaaatnaa aaaaaaaaaa a 331

<210> 512
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<212> DNA
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<222> (748)
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ttattgaggc ttacattata ttacagtttc ttgaatetaa aatgatgtac cctcttagga 180
tatatacatc atgcttcatt ggtctcaggg ggctgatttt tataaggaga gatttgctag 240
ttttcacaaat atgtcctcta agttggcatg tatagctaaa caggctttca taaaaatata 300
caatttagtt aatgaaattt gggatatagt cttttatgat tgaaataatt ttgctaaata 360
gactgtctct gatttattag gtaatcacca ctcttatttt gttttacttc cttaatgtct 420
acatagaaag gaaatgagaa aaatccagag gttgtcattt gacttatgag tctgtttgac 480
ttcaggattt ggtacatgaa atttcactta atctttttga tatgtataaa acaaatattc 540
tgggtaatta tttttatcct tttgggtttg antccttttt attcctatca tattgaaatt 600
ggtaagttaa ttttcctttg aaatattcct tatagccagg tctaaaattc aatgggcca 660
caaccgncaa ccgccaacaa caaccaaccc cactttacta tcatggctgg gtgcctccaa 720
tttnccttct gggaaccacc cagttaantt aaaa 754

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<222> (232)

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agaacanaca ggaatnctga nttaagcaca gagttgaagt ttatacccgga ttcacatgct 120
tttcaagaat ntcgcaatta ctaagaagca gataatggtg ttttttagaa acctaattna 180
ggtatatcca accaaatact tttaaangta taaaataaat attatacaat anacttgtgt 240
agcag 245

<210> 514

<211> 393

<212> DNA

<213> Homo sapiens

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<222> (196)

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<220>
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<222> (382)
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aacgttaatt gatataaaaa aaaaaacanc aaaattnnggc ttgnaaaact gacttttnca 120
ttangnggggt tttgaaatct ngccccagac atactgtgtt gngagatact tagngggagg 180
gagtaggttt tngangnggtt gatggtggtg gggaggggaag gcctcctgaa ttgngtttga 240
tgcagagctt tttagccatg angaatcttt cagtcatagt actaataatt aaatttncag 300
tntttaaaaa gncaagntnt ttgtccnttt tgnntttctg nactccctgg aaagttccnt 360
tnggcggtgg ggcccaaagc tnttggtttt cct 393

<210> 515
<211> 231
<212> DNA
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<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
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<222> (223)
<223> n equals a,t,g, or c

<220>
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<222> (230)
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ccggttcaca attccttcac ccaaaantca tctcatggta tacatggctc ctantccttt 120
ncattacctg atggtagaaa taaaataatt cactttaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaagggn ggccgntnta gaggatccaa gtntacgtan g 231

<210> 516
<211> 82
<212> DNA
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<222> (67)
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tagcctnttc tctgccttac tt 82

<210> 517
<211> 237
<212> DNA
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<220>
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tccacgccc a cctggctctc tcccatcgcc cacaaaagg ggggcacgag ggacgagctt 120
agctgagctg ggaggagcag ggtgaggggtg ggcgacccag gattccccct ccncttccca 180
aataaagatg aggggtactta aagttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 237

<210> 518
<211> 281
<212> DNA
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ctcagtcttt cccctcccc aacgatgtag cgtttttcgt tgtttgcttt aggttnttga 120
aacagccccg gcgncgcctc tattggctct cggccttggc aacggccgtc gtcattggtta 180
ctggccctaa cagccgatgg ccgaagccga cctgccaccg ggcggggctc ctggttggcc 240
ggncccaggc gcgcggggnc gcngnagccg agcattcttt t 281

<210> 519
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<212> DNA
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<400> 519
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tttgcacccc gctgcggggc cacgtggttg gggccctgcc ctggcagggt catcctgtgc 120
tcggaggcca tctcgggcac agggccaccc cggcccaccc ctccagaaca cggctcacgc 180
ttacctcaac catcctggct gcggcgtctg tctgaaccac gcgggggcct tgagggacgc 240
tttgtctgtc gtgatggggc aagggcaciaa gtccctggatg ttgtgtgtat cgagaggcca 300
aaggctggtg gcaagtgcac ggggcacaa gggagtcctgt cctgtgacgc gcaagtctta 360
aggtctggcc gnnngccggc tgggtctggg catttntggg tgcaccgcgg ngctttccag 420
accaacatgt aaccggcatg ntt 443

<210> 520
<211> 129
<212> DNA
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tctgtgctg 129

<210> 521
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<210> 522

<211> 393

<212> DNA

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tacatctcca gtacattccg ttcttttttt ttttgggact ctgtctcaaa taaatncata 120
aaaattaaat gngganttca ctttgacgtt gctgctgtnc aacgnacatt actcaatctt 180
tatgtncggc attctatgct ctactgggga aatttgggta ggagtgangt atttngtata 240
catatctnca tttaataatg gcaatngctg ggtctatctt actattttan ctattggata 300
aatattttgt ttccccaggt tgctggggnt gcaggcgtgn cccactgng gcccggccac 360
attcagttct tatccaaggg ataaccctg cnt 393

<210> 523
<211> 146

<212> DNA
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<220>
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tacatgtaat acanacttaa ctcaaaatgg atcatatatc tnactgtaaa angnaaagcn 120

ataaaaactga aaacagacta tcttta

146

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<211> 346

<212> DNA

<213> Homo sapiens

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<222> (342)

<223> n equals a,t,g, or c

<400> 524

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cagccaaggt tgcggggggcc gcagagccgg acgaagacgg agggcggagc ggcttcggga 180
ctgcggagac tacacaccga gcgagcgccct gggcccgaag gagcgatgct gtggttccag 240
ggcgccattc cggccgccat cgcgacggcc aaaaagancg gcgcgtcttc gttgtgttcg 300
tggcagtgat gatgaacant ctacacagnt ggcttcaagt tnggaa 346
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<210> 525

<211> 470

<212> DNA

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cgagaagacc ctatggagct ttaattttatt aatgcaaaca gtacctaaaca aaccacacagg 120
tcctaaacta ccaaacctgc attaaaaatt tcggttgagg cgacctcgga gcagaaccca 180
gcctccganc antacatgct aanacttcac cagtcaaagc gaactactat actcgattga 240
tccaataact tgaccaacgg aacaagttac cctngggata acagcgcaat cctattctan 300
agtccatata aacaataggg tttagacct cgaatnttga tcatgacatc ccgatgggtgc 360
agccgctatt aaagggttcgt ntgttcaaca attaaagtcc tacgtgatct gagtnacanac 420
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ctgncaaaaag agtctnaagg nacagcttcc acccatggag tggaagactt ccttctgggg 180
tggctttgtg tgtagggnet tctgctgggt ccacaaaatn gcttcatctg cttaaaattt 240
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<210> 527
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tccnatttgt atttaagtta cctaatttaa gaaggtttta aaaatggaaa ttcagtatat 120
aatatttgtg nggttttttt ccacagttaa aaatgaaatt atgcagaaaa tgttccccac 180
aacatgacag ngaaaggaat tctgggacac gttttttccc agtcccatta ttttcacagg 240
gatcggtctg aatacagggt caaaggatct ctttgccaga atgtgccaaa ntngntgaaa 300
aaggtaaactg tttatcnctg atn                                     323
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ggangtccaa acttggaatc aaacggncgn actgttaa at tatatcttat naactnatta 180
aatgaaaaca ttttgctccg taaaaaga at ataaaaaagt 220

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<400> 529
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tgtaaaagga tgctcttatg ttctatataa gcctcatggg aagaataaaa cagcaggaga 180
aactgcttca ggggccctgt caaagttaac ccgtgggatt gaaagatgaa tcgctggctt 240
atatctatca ttgccaaaat cattatTTTT gtccaattgg ctccc 285

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ctgtgatgag gaccctaaag 79

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gactnaggag gagnggtttg aagttgatca gctccagggt ttgtgaaaat tcantccgca 180
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aaattttaaa aatctgaagg gnaaatgttt tgtgaaacat ttattttttt aaaggaaaag 180
ntgaaaggca ggcctatttc atcacaggac cacacacatn tncncggnnt agggcatnca 240
nactcaatgg cttnttttgt gaaatttggg tgttttttna atttnttnt gntcaaatgg 300
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ccatgggctg anacctgacg gtgaaagatg ctggcgggca acnaattcca ggtgtccctg 120
aagncagctg ccatgtgggt gtnaaagctg aaggcgcgag ntncaccag naagatcggg 180
gtgcacgctn tnttagccag gcgtttgg 208

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<400> 534

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tatgtgaaag gaaaatgccc ttgaatatga anctgaaactg canttgaaat gacctgaatt 180
tgccctgagaa cctgcagcgt ttnccttcc tttttgccga aattgggcgg ggaaagtgt 240
attttnnctn ng 252
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<212> DNA

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tagagagtta agatgtaaat gtgttctcac atgtnaantt tgagagttca ggggtctatt 120
atggaatgat acacnttttt aatgaacctt aaaatanttc actaagntgt ttgccttcca 180
nagtgtttac ccttaagcct taacntgtat ctncnttcag aaaaccgtta tnttgtgcaa 240
accatagtag gaaganaaac ctttatttgg gatataacac tactgttaagt tatgttacag 300
angctananc canccnctg tgttananta nangagccaa aannancaan agaaaaaagg 360
ggaaaagaaa aactaatang 380

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cgcaggtntt ctgcgcgcc cggtcagcca t 91

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<400> 537

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atttttaaac atctgataaa acttaagctt ctttttcaga tgtttaaatt ttatcatcct 120
tttttttctc atgaattctt aaaggattat gctttaatgc tgtnatctat cttattgttc 180
ttgaaaatac ctggcatttt ttggtatcat gttcaaccaa catcattatg anattaatta 240
gattcccatg gccataaaaa tggctttaa agaatanata tatatttntn aagtagctga 300
gaagcaaatt ggcngt 316
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<211> 374

<212> DNA

<213> Homo sapiens

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tgatcccat cgtgtgggt ggtgccctgg cggggctgg cctcatcgtc ctcacgcct 120
acctcgtcgg caggaagagg agtcacgcag gctaccagac tatctagcct ggtgcacgca 180
ggcacagcag ctgcaggggc ctctgttcct ttctctgggc ttagggctct gtcgaaggga 240
gggcacactt tctggcaaac gtttctcaaa tntggttcat ccaatgtgaa gttccatctt 300
ggnaancatt tgactatgca caacagatta attancgaaa tggacgggtgt tnantttggc 360
taaattgggtt aaat 374

<210> 539
<211> 109
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<400> 539

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<210> 540

<211> 396

<212> DNA

<213> Homo sapiens

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<222> (393)

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<400> 540

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tgtggcggcc aagcgttcat agcgacgtcg ctttttgatc cttcgatgtc ggctcttct 120
atcattgtga agcagaattc accaagcgtt ggattgttca cccactaata gggaacgtga 180
gctgggggtt agaccgtcgt gagacaggtt agttttaccc tactgatgat gtgttggtgc 240
catggtaatc ctgctcagta cgagaggnac cgcagttcag acattggtgt atgtgctggg 300
ctgaggagcc aatggggcga aactacccat ctgtggggan tatgactgaa cgncttctaa 360
gtcagnatcc cgcccaagcg gaaacgatan ggnagc 396
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<211> 429

<212> DNA

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<222> (353)

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<222> (418)

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<222> (419)

<223> n equals a,t,g, or c

<400> 541

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aagcagaatt caccaagcgt tggattgttc acccactaat aggggaacgtg agctggggtt 180
agaccgtcgt gagacagggt agttttaccc tactgatgat gtgttggtgc catggtaatc 240
ctgctcagta cgagaggaac cgcagttcag acatttggtg tatgtgcttg gctgaggagc 300
caatggggcg aacnaccatc tgtgggatta tgactgaacg cctctaagtc agnatcccgc 360
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cccgccgtg 429

<210> 542

<211> 617

<212> DNA

<213> Homo sapiens

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<400> 542

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ccacgcgtcc gagtttccct caggatagct ggcgtctctg cagacccgac gcacccccgc 120
cacgcagttt tatccggtaa agcgaatgat tagaggtctt ggggccgaaa cgatctcaac 180
ctattctcaa actttaaatg ggtaagaagc ccggctcgct ggcgtggagc cgggcgtgga 240
atgcgagtgc ctagtgggcc acttttggtg agcagaactg gcgctgcggg atgaaccgaa 300
cgccgggtta aggcgcccga tgccgacgct catcagaccc cagaaaaggt gttggttgat 360
atagacagca ggacggtggc catggaagtc ggaatccgct aaggagtgtg taacaactca 420
cctgccgaat caactagccc tgaaaatgga tggcgctgga gcgtcgggcc catacccggc 480
cgtcgccggc agtcgagagt ggacgggagc ggcgggggcg gcgcgcgcgc gcgccgtgtt 540
ggtgttcgcc gntttcccag tgggcaagcg ccccaacccc cttccttntt ggttcctctt 600
nccccaatng gnaacaa 617
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<210> 543

<211> 302

<212> DNA

<213> Homo sapiens

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<222> (135)

<223> n equals a,t,g, or c

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<222> (148)

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<222> (156)

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<222> (281)
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<220>
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<222> (293)
<223> n equals a,t,g, or c

<220>
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<222> (295)
<223> n equals a,t,g, or c

<220>
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<222> (299)
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gtcagctcaa tggnnacag agcacggnct tttggnttct ttgcagtact ttgaatttat 180
ttttctacct atatatgttt tatatgctgc tgggtgctcca ttaaagtttt actctgtggt 240
gcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggggccccc nntaaggggc ccnantttng 300
ga 302

<210> 544
<211> 534
<212> DNA
<213> Homo sapiens

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<222> (419)
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<222> (461)
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<222> (483)
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<222> (493)
<223> n equals a,t,g, or c

<220>
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<222> (498)
<223> n equals a,t,g, or c

<400> 544
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ttctgcataa tgaattaact agaaataact ttgcaaggna gagccaaagc taagaccccc 120
gaaaccaaac gagctacctt nnagaacgct aaaagagcac acccgtctat gttngccaaa 180
tagtggaataa aatttatagg ttgaaggcga acaaacctac cgacctggta atactggttt 240
gttccaaaat anatcttaat ttccactttt aattttgccc ncnaaacccn ctaatncccc 300
tttttaattt actgttnngn tcccaanaag gnaacncnct ttgggacnct tngaaaaacc 360
ttttttaaaa aaattttaaa tttntncccc tnttgggggc cctaaacccc ccccttttna 420
aaaggntttt tcaccncccc ccccccccg aaaccccccc nttttttttt ccccccccc 480
ctnggacctt ttncccnnaa aaaaattttt ttttttttta aaaaccccc cccc 534

<210> 545
<211> 355
<212> DNA
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<220>

<221> misc feature
<222> (38)
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<222> (82)
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<222> (247)
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<400> 545

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aactactctt caagtgggtg cncagtccca gcanggcagt ccgcctctcc ccctgctgag 120
actttaatct ccaccagccc ttaaagtgtc ggccgctctg tgactggant tatgctcttt 180
tgaaatgtca caaggccgcc tcccatctct ggggggtattg ttacaaattc ttccctctccc 240
tgaaatngcc ttctctgctt tcctccgtgg gtaagttna ncaaatttcc tctagcttnc 300
ctggaaggaa tcactcccc caaggaaacc tcccttnctt ttctctgggg tgtn 355
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<211> 269

<212> DNA

<213> Homo sapiens

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<220>

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<222> (232)

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<222> (252)

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<222> (267)

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<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<400> 546

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ggattcttct cactagtctt aacaaaatct gtgatgttaa atgactgatg ctctcaattg 120
tgatccagag ttttaaataa atgaaatcaa ggtgggattt tgggaatata tcctgaantt 180
taacatcttg atgttccttc ttgtttgta aaaaaaaaaa aaaaaactcg angggggggc 240
cggtaaccaa tnccccctaa tagtgannc 269
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<210> 547

<211> 82

<212> DNA

<213> Homo sapiens

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<222> (56)

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<222> (63)

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<400> 547

ggaaaacatg gaaaaggatc tggaaagtgg gcttgcanan gcttgggacg gaanancctg 60
atnccggccc tgatggtcac gg 82

<210> 548

<211> 362

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (311)

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<220>

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<222> (338)

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<400> 548
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gtatttagtc tccattgtct tgcattggga tttgagaaga aaatcagaga gggaagatct 120
ggtatttcct ggcctaaatt ccccttgggg aggacagga gatgctgcag ttccaaaaga 180
gaagggttct tccagagtca tctacctgag tcctgaagct cctgtcctg aaagccacag 240
acaatatggt cccaataaac cgaatgcacc ttctgtgctt ccaccttctt ccttgaaatt 300
caagggtctt nccgtttccc cattcccccc caggccantc caanttatc caaacctgn 360
tt 362

<210> 549
<211> 448
<212> DNA
<213> Homo sapiens

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<220>
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<222> (239)
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<220>
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<220>
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<222> (284)
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<220>
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<222> (299)
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<222> (319)
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<220>
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<222> (343)
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<220>
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<220>
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<220>
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tgagggtgggt ctacctcatc tctgaaaatt ctggaaggaa tggaggagtc tcaacatgtg 120
tttctgacac aagatccgtg gtttgctactc aaagcccana atccccaagt gcctgctttt 180
gatgatgtct acagaaaatg ctggctgact gaacacattt gcccaattcc aggtgtgcnc 240
agaaaaccga naatattna aattcccaat ttttttctta ngancaagaa aaaaatgtng 300
ncctaaaagg ggtaattna aggggttagg ggttatgaaa gancttgatt tggatctctt 360
tttatttttaa tttnaatttc acttttgaca tccaanaaaa actttgttga aatacttctg 420

ttctcaatgt ttggaanaaa aatcanc

448

<210> 550

<211> 502

<212> DNA

<213> Homo sapiens

<220>

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<222> (13)

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<220>

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<222> (25)

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<220>

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<222> (153)

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<222> (296)

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<222> (318)

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<222> (327)

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<222> (329)

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<220>
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<220>
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<222> (493)
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<400> 550
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cgcaatagat atagtaccgc aaggagaaga tgaaaaatta taaccaagca taatatagca 120
aggacttaac ccctatacct tctggcataa tgnaattnaa ctaggaaatg aactttgcaa 180
ggggggagcca aagcttaaga cccccgnaaa ccagacggag cttaccttaa ggaacagctt 240
aaaagaggca caccogtctt atgtaggcaa aatagtgggg aaggtttttt aggttngagg 300
cggaccaaac cttaccgngg cctggtngnt agcttggttg tnccagggtta ggatctttta 360
gtttccaact ttaaattttg ncccacagga acccttttaa atccccttgt tnaattttta 420
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gttaaaaatt ttnccccct gg 502

<210> 551
<211> 119
<212> DNA
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<220>
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<222> (57)
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<223> n equals a,t,g, or c

<220>
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<222> (107)
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<400> 551
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<210> 552
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<220>
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<222> (357)
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<220>
<221> misc feature
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<220>
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<222> (373)
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<220>

<221> misc feature
<222> (379)
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<220>
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<222> (389)
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<400> 552
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aaccaagcat aatatagcaa ggactaacc cttataccttc tgcataatga attaactaga 120
aataactttg caaggagagc caaagctaag acccccgaaa ccagacgagc tacctaagaa 180
acagctaaaa gagcacaccc gtctatgtng caaaatagtg ggaagattta taggttgagg 240
cgacaaacct accgagcctg gtgatagctg gttgtccaag ataaatctta gttcaacttt 300
aatttgccca cagaacctct aatccccctg ttaatttact gtttgtccaa agaagancac 360
tctttggacn ctnggaaanc cttgtaaana aattaa 396

<210> 553
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<400> 553

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tattcttggga ttttgaactt tcaaattggt tctcccaagt taaattgaaa aatagtgaga 180
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ggctattaac aat 253
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<211> 431

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aaaattataa ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat 180
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta 240
cctaagaaca gctaaaagag cacaccgctc tatgttngca aaatagtggg aaaaatttat 300
aggttngaag cgacaaacct acgagcctgg tgatactggt tgttcccaga atanaatctt 360
agtttcactt ttaattttgg ccncagaacc ccctnaatnc ccttggttaa ttactnttt 420
agttccaaan a 431

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actctgnagt cctaattntt ctagttggac caaaaaaaat connattgtt tgatctaang 180
agangnaatt taccaatnct gtatacgcat gtgtgtgtgt cgcttaaacg anctgtccgg 240
ttatanaaaa tcctgatcgt cataaatcat gtctanacat catgtaatga attgcacgat 300
ttaatatgtt ccctatttagc antcactaca anctatttct caaatntacn ttttctccg 360
taaacaanca ttcagtactc cntcggatct ctaaaaatcc tctatgatct ntncacatca 420
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aaagcnanc 489

<210> 556
<211> 77
<212> DNA
<213> Homo sapiens

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<400> 556

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actgantgct gctanct 77

<210> 557

<211> 506

<212> DNA

<213> Homo sapiens

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taaccaagca taatatagca aggactaacc cctatacctt ctgcataatg aattaactag 180
aaataacttt gcaaggagag ccaaagctaa gacccccgaa nccagacnag ctaccttaga 240
acagcttaaa gagcacaccc gtctatgttn caaaatagtg ggaaanattt atnngttgaa 300
gcgacaaaacc taccgacctg gtgatactgg ttntccaana tanatcttan ttcactttaa 360
tttgccacng aacctcttaa tcccttggtta atttactggt antccaaaaa agacactctt 420
tggacctagg aaaaaacctt tttaaaaaat taaaaattta caccntttt nggctaaaaa 480
cngcccccac tttaaaaaag nttcaa 506

<210> 558

<211> 298

<212> DNA

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<222> (269)

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<220>

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cacanaagaa agtcaaggct ggaatttcat tctcttatct aaatctctct gttctctctc 120
aggggaatatt ttcagagaat aggtggaatn aagtgaggct gtgganaatg ttatctataa 180
taggatagac tttcttctgt gcacctgatg ggagggtaat gtctaatagt ttatcagtaa 240
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<210> 559

<211> 295

<212> DNA

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<400> 559

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ggataaatac tgtcantcca ttgatttatc tcctcctgtc ccccatctna aatacccatg 120
ctgcttttct gagtggtgat ggggggtacc atcttgatcc actgttgctc ttagaangcc 180
canaanntct ttgggcattg ncaaggaaat cccggattat ctggaaaacc ctcnctttct 240
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<211> 371
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<400> 560

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agtgccaggt ggggagtttg actggggcgg tacacctgtc aaacggtaac gcangtgtec 120
taaggcnagc tcagggagga cagaaacctc ccgtggagca naagggcaaa agctcgcttg 180
atcttgattt tcagtacgaa tacaagaccg tgaaagcggg gcctcacgat ccttctgacc 240
ttttgggttt taagcaggag gtgtnagaaa agttaccaca gggataactg gcttgtggng 300
gccaaagcgt natagcgacg tcctttttga tccttcgatg nccgctcttn ctatcattgn 360
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<210> 561

<211> 205

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

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<222> (67)

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<220>

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<222> (186)

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<222> (201)

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<220>

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<222> (202)

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<400> 561

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taccacnact ctgatcggtt ttctactgac ccggtgaggg gggggggcga gccccgaggg 120
gctctcgctt ctggcgccaa gcgcccgggc gcgcgccggc cgggcgcgac ccgctccggg 180
gacagngcca ggnnggggagn nngac                                     205
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<210> 562

<211> 580

<212> DNA

<213> Homo sapiens

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<220>

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<222> (19)

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<222> (21)

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<222> (561)

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<400> 562

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ccacgcgtcc gcccatTTTT cCGgttgata atgcaataga taatgggnaa gaanttcaag 120
ttgcattgcc natcttaatg gcagcttatg caatggcgga agcgtttatg tcaacaggag 180
ttggagcttc tcttatccta attgcattaa aagtaggaat tactgctaaa actgttgcag 240
ttataggagc tattgtcaca tcaatattat caatagcaac tgggacaagt tggggaacat 300
ttgcagcctg tgcacctatt tttttatggc taaatcatat agttggcgga aatattttat 360
ttgacaacaa gcagctattg cangangagc atgttttgga agataatata ggactatttc 420
agatactaca atagtaaagt ctggtatnca aaaaagtgtg aaagtgtgaa gaaagaattn 480
gacacccaag gtggtatggg caagcattag ntttnataat tcaaggaatt aataggcatt 540
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<210> 563

<211> 198

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (4)

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ctcaggaaga atggagna 198

<210> 564
<211> 176
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
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<220>
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tggcctgctn ccttctaagt attcttaaag ccatggattt ttgnggacca ttttcttctg 120
ntcttccttg agntatttnc tttntttgct atcttgggac tcttctttgt gcttga 176

<210> 565
<211> 264
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<400> 565
gcangtattc tacctaaatc ttncaattn ctttaaattg taagagnttc taaaacagac 60
aataatttaa caagctcagc tctgctttat ctgagtttag tggctcctaat atatatgtag 120
agaaagatgg tggggttgnt cacctctgta cagaccatct gtatgttagg tgacattgat 180
tatgggttat aatcagggaa actaattgga ttttagtgaca aaaataaaaa gttttttttt 240
tatganaaaa aannnanggg ggac 264

<210> 566
<211> 411
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)
<223> n equals a,t,g, or c

<220>
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<222> (96)
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<220>
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<222> (101)
<223> n equals a,t,g, or c

<220>
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<222> (110)
<223> n equals a,t,g, or c

<220>
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<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<400> 566
nggacattga agccaaacca agccactatc agctggtgag tggaagcagc acggaggact 60
cgctccatgt tcatgctcag atggcagaga atgaanaaga nggtagtggn ggccggaggca 120
gtgaagagga tccccctgc anacaccaa gctgtgaaca gaaagactgc ctggccanca 180
aaccttgga catcagcctg gccancctg aaagcatccg cagtgcacta gagagttctt 240
gatgcacagt ctgacgatgt gccagacatc accttcagaa tgaaatgtgg nttcncccg 300
tcccatactg cagcctgccc ctgcaccccc agagnccaag gtgcaccgag cccaagtgcc 360
catatgaacc tctctgccct anccnangga canactgtct tgaagccaga a 411

<210> 567
<211> 208
<212> DNA
<213> Homo sapiens

<220>
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<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<400> 567
ggggaaaggg acctttccga aaaacatntt ttgggggaaat aaaaatgtgg actgtgaaaa 60
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
nggggggcct tttnaaaaaa nnaaantt 208

<210> 568
<211> 322
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<400> 568
ncttggtcta ncctggctgc tcagaaaagag cagtcaggac ttgagggaag catcaaattc 60
tatacccata aactgcagtt ggaagtcagc tttttgaaat gtccagcctt tgcccaattg 120
tttcagatca tctattcct caggcttttg caggtatcct gccctccatc ttattccagt 180
gtgttcacct natcaaggca gcanagtggg tgaaggagta agtctgccct ttgccatact 240
gaacagctgt ggaccccgat tgggtgagggc tctgcatatg cctgtatgaa ngagatacan 300
gtgtgngtgc acatgccggn nt 322

<210> 569
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (591)
<223> n equals a,t,g, or c

<400> 569
gggaaccgca tcctaattca gagaatattg ctgcaatctc tcagtcttca gtggggttcag 60
acttgtttgt atttaaacct agtgagccaa ggccattgta tattcaaaag ggtatctcca 120
gagagaaagt ccagtgggga gtgtttgttc cactgagatgt ccctgaatcc ttcacctcag 180
aagcttacca gtggctaaat agatcccagt ttacttcct aacaaaatca cagagtttat 240
tgacattcag tacaaagtct ccagaagaaa aactcacacc aacanagcaa acagctgcta 300
gcagaagaaa gtcttcccac aaccccatTT tatttcatat tgggaaaaca caggcaacag 360
caggatgaaa aactaaacga aactttagag aatgagctgg tacaactacc cttaacagaa 420
aacatacccg caattagtga gttcttcac actccacca tgtcctgcca tctgctgctt 480
tcctgtntct catgtttgna aattcattgc tgetgtctaa aggagactaa gaagtgctaa 540
ngaaattcct gaaaaatgta gatatgggaa gaagnaaaac ggaaagtnaa natt 594

<210> 570
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<400> 570

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gcggacgcgt gggaaataat tgcattaaaa tacaaaaggt gataggggaag aattaaaaga 60
tttgcagtat tgtacacaaa agctaataat tttgtgtact ttttatttat tttggagggtt 120
ttatatgata ttcaattgag tattaaataa tttgcctaga ttaagcctaa aatgatgacc 180
agctaattaa agaagatatt ttgaatctgg ttctgagcta aagttgagta aattcttagc 240
taagaaaaaa ttggaaatcc atcatctata ttanacaacag attctnanan taaattggta 300
acttntatga                                     310
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<210> 571

<211> 109

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<400> 571

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gggcggttgc ggtagtgga ccgggaccgg taggggtgct gttganatta tgggtgaccc 60
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ctancccccgg taccctgaat gatagatcga ggangannta actatagna

109

<210> 572

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<400> 572

gtgtattttta caattttttt aaaggaaaat ttaaaatatg aaatgtttgt tttgtcttaa 60
cagggtatcc cttctccctc ccttggtcagc cttccttcct tctttgaaaag gagaagtcac 120
acgttaagta gatctacaac tcatttgata tgaagcggtta ccaaaatctt aaattataga 180
aatgtataga cacctcatac tcaaataaga aactgactta aatgggtactt gtaattagca 240
cttggtgaaa gctggaagga agataaataa cactaaacta tgctatttga ttttnccttct 300
tgaaagagta aggtttacct gntacatttt caagttaatt catgtaaaaa atgatagtga 360
ttttgatgta attnatctct tgatcgaatc tngcattcna aaggccaata atttaaagnn 420
ggctatcaa 429

<210> 573
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<400> 573
gggctggggc tgaccgagga ggtggagggg ggnagaggct ggggntgata aatctattga 60
ttgattgtga tagtaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa anaaaaanaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaana aatntaatat gc 202

<210> 574
<211> 229
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)

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<220>

<221> misc feature

<222> (163)

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<220>

<221> misc feature

<222> (172)

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<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<400> 574

gcccacgcgt ccgtctagat cgcgagcggc cgcccttttt tttttttttt canaagagct 60
acattgtgtc antggacatt tttaaaaact gtgattttta ataatgtcca atgactgcaa 120
gtcggcctgg attttcactt gcaaaggnta cagctgcatt gtnaggtctc cnagccctgc 180
agagagctcc ntccactggg tagcagtgtg ttgtgttttn cattcattt 229

<210> 575

<211> 260

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<400> 575
gaaaagctta aagaagggtt tactgatcca gatgttgtcc agagacttcg agccttgagg 60
gttcttggtg ctgatgttgg tgaagggtgtg cgcggggatac agtaaaagct taaagaagggt 120
tttcacaggt cactgggctg tgggtgagaga aggcctcacg aacccttgga ttccggataa 180
ctgggtcttg ggcggngtgg cttctgaaca ctgcnantgc taccgagttc tacactgaaa 240
aggactggan caagaangac 260

<210> 576
<211> 263
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (251)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (255)

<223> n equals a,t,g, or c

<400> 576

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ggttttgtcc ttgtgttagg cagtctgagc agcgagtgat ccagagcgca gccaaacaaag 60
cagcagatag cagtgtacag aaagcaaaaa aggaactgta tgtgaggcac ttgtttctgt 120
taatatccat attcctgtta acacacaccc tttctcatgt aaaaagaaaa ataaataaat 180
ggtctgaact ttgaaaactt tgtgctgnta ancatagatt ttggagacaa atnaatagat 240
gctatgctgt ntcantttca tag 263
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<210> 577

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<400> 577

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gaggaaacac tgtctatgat aggatttcca aaagtatttg tggacagtta aatgctaatt 60
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aatatacatc tgtagttatt ctacattttc ttgaaatttg ggaggttaat accaagtatt 120
catttcatga tgtaaagaaa ctgaacagtg aagtggcttg attgcttaaa ctattgactt 180
ggtaagtcta ctgtatataa catctaatat atatattaca ggccaaatga actaaacatt 240
gccttgctat attcaccaaa aggacttaat tcttggtttt ttcccagttt tatatanagg 300
aaacactatg ataggatttc ctaaagtatt tgtggacagt taaatgctaa ttatatacat 360
ntgnnn 366

<210> 578
<211> 595
<212> DNA
<213> Homo sapiens

<220>
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<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (565)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<400> 578
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aaggaccagg gaggtgagta ctgagggcca gggaagagga gtaggggtgt ctcaggggtga 120
tctctggccc accgccttgg ccccttctcc caggtctnac ccaggcacag tacattgact 180
gcttccagaa gatcaagtac agcttcaacc tncgtgtagg tggctcccca caagttcacc 240
aggcctctcc tcttccccctt cctccccagt aatcctctgc tgtctggact caaccatccc 300
aagccttttt cttcttctatc tactccccctt agaacctccc cttccctctt gggacttttg 360
ggaagtgccca gccttncagc caaggcataa aacaattatg gtgacctggt gaanatggng 420
tggtgtgaag ggtggtgaca ggcattgctc tttgtcccca agggaaaggc tggcccacct 480
ggnttgaagg agacaagtgc cccctgagct cgtacacatt cctctttaag tcccttgaac 540
tttcgtgaag ttaagggacg acanngtgn tnaaanacgg acaggcttga agtca 595

<210> 579
<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<400> 579

cnaccttcta agagatntaa tgggtcacta tgtgtgggta ttctacatta agcctacaac 60
attnttcagg gttgganana tgaactaata ctggtgaaaaa ttaccta an acctnggta 120
tcaaaaacat ct 132

<210> 580

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<400> 580
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actagtggat ccaaagaatt cggcacgagg ccgcgttgac cactggcgctc tcgctggtgg 120
tcttcgagac cggcgttggt tgaaaatcgc ccccggtttt ggccgtggcc gcgggtgaga 180
ttcggcgccc agagcccccg ggggcctcag ctcaccgcgc gctgccccat gtgcgncggt 240
gaaacccagg ccccgacagg cgctgccgnc ttcccccccg ggtgcggttc gttcgcgagg 300
tgttggcccc tgattccttg accccgattg cagaccetta acctgtttct ttnttccgca 360
gacaatggtg cttncaccag gctgtacaac cgacggtcgg ccaaggaccn nggggttttg 420
gggggaantt tggtttttcc caaggttttt caaattaaag ttgtttttgt tttaaaaaaa 480
aaaaaaaaaa aaaaattggg ggggtanttt ttgggggggg cccgggggnc ccatggtttt 540
ttncaanccg ggnnggggt 558

<210> 581
<211> 120
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 581
ggggacccgg cccaattccc gggtcgacca cgcgtccgca cgattggaag aagaagcttt 60
tncnttggn ctaattcgca ctttcctcac gaggaaatna aantagggca aaaaccaaac 120

<210> 582
<211> 260
<212> DNA
<213> Homo sapiens

<220>
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<222> (5)
<223> n equals a,t,g, or c

<220>
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<222> (211)
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<222> (240)
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<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
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<220>

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<400> 582
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actgtctgta ttattattca cctataatta gtcattatga atgctttaa gctgtacttg 120
catttcaaag cttattaaga tataaatgga gattttaaag tagaaataaa tatgtattcc 180
atgtttttta aaaaaaaaaa aaaaaaaaaa nccccggggg gggccccggt cccatttgn 240
cccantgggg ggcgtttnn 260

<210> 583
<211> 469
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
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<222> (460)
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<400> 583
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cctgcgggcc gccggtgaaa taccactact ctgatcgttt ttctactgac ccggtgaggc 120
ggggggggcga gccccgaggg gctctcgctt ctggcgccaa gngcccggcc gcgcgccggc 180
cgggcgcgac ccgctccggg gacagtgcc aagtgagggt ttgactgggg cggtacacct 240
gtcaaacggt aacgcagggt tcctaaggcg agctcaggga ggacagaaac ctcccgtgga 300
gcagaagggc aaaagctcgc ttgatcttga ttttcagtac gaatacagac cgtgaaagcg 360
gggcctcacg atccttctga ccttttgggt ttttaagcagg aggtgtcaga aaagttacca 420
canggataac tggcttgtgg cggccaaacg ttatagcgan gtcgctttt 469

<210> 584
<211> 361
<212> DNA
<213> Homo sapiens

<220>
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<222> (253)
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<220>

<221> misc feature

<222> (265)

<223> n equals a,t,g, or c

<400> 584

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gaaccgcagt tcagacattt ggtgtatgtg cttggctgag gagccaatgg ggcgaactac 120
catctgtggg attatgactg aacgcctcta agtcagaatc ccgcccaggc ggaacgatac 180
ggcagcgccg cggagcctcg gttggcctcg gatagccggt ccccgccctg tccccgccgg 240
cgggccgccc cccctccac gcgcncgcgc cgcgcgggag ggcgcgtgcc ccgccgcgcg 300
ccgggaccgg ggtccggtgc ggagtgcctt tcgtcctggg aaacggggcg cggccggaaa 360
g                                     361
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<210> 585

<211> 482

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (148)

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<220>

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<222> (165)

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<222> (169)

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<222> (176)

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<222> (203)

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<222> (236)
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<220>
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<222> (426)
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<220>
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<222> (441)

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<220>

<221> misc feature

<222> (445)

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<220>

<221> misc feature

<222> (450)

<223> n equals a,t,g, or c

<400> 585

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gcgacctcgg agcagaaccc aacctccgag cagtacatgc taagacttca ccagtcaaag 120
cgaactacta tactcaattg atccaatnac ttgaccaacg gaacnagtna ccctanggat 180
aacagcgcaa tcctattcta tantcentat caacaatagg gttnacgacc tcgatnttgg 240
atcaggacat cccgatgggt gagccgctat aaaangttcg ttgtttcaac cattaaagtc 300
ctacgtgatc tgaattcana ccggagtaat ccaggtcggg ttctatctac ttcaaattcc 360
tcnctgtaen acaggacatn aagatataag gcctacttct caaanccgct tcccccgtaa 420
atgatntcat ctcaacttaa ntatnatacn cacaccctcc caataaaagg gtctgttggg 480
tt
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<210> 586

<211> 492

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (11)

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<220>

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<222> (15)

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<220>

<221> misc feature

<222> (19)

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<220>

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<222> (79)

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<222> (447)

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<220>

<221> misc feature

<222> (458)

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<220>

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<222> (463)

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<220>

<221> misc feature

<222> (480)

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<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<400> 586

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cgcggtccggt cctttccent tcccccccc caccgctcct cccctcctcc cgcccacgcc 120
ccgctccccg cccccggagc ccgcgggacg ctacgccgag acgagtagga gggccgctgc 180
gggtgagcctt gaagcctagg gcgcggggccc ggggtggagcc gccgcaggtg cagatcttgg 240
tggtagtagc aaatattcaa acgagaactt tgaaggccga agtggagaag ggttccatgt 300
gaacagcagt tgaacatggg tcagtcgggtc ctgagagatg ggcgagcgcc gttccgaagg 360
gacggggcagat ggcctccggt gccctcggcc gatcgaaagg gagtcgggtt cagatccccg 420
aatccggagt ggcggagatg gcgccngag gcgtcagngc ggnaacgcga ccgatcccgn 480
agaagcccgg ng 492
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<210> 587

<211> 248

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (65)

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<220>

<221> misc feature

<222> (122)

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<220>

<221> misc feature

<222> (124)

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<220>

<221> misc feature

<222> (205)

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<220>

<221> misc feature

<222> (210)

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<220>

<221> misc feature

<222> (211)

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<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<400> 587

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tatgnacaac acattttacag ttctgtaatg caaggatgca gtttaaaaat gtgaagtagt 120
gnanggtttt tgaaaataag ctttaaaata tagggatctt gaaaggcccc cgggggtact 180
atatttataac ttagaataaa tgggnaatch naactgtgtn tttggtaaata taatttttta 240
antattttt                                     248
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<210> 588

<211> 653

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

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<220>

<221> misc feature

<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<220>
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<222> (575)
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<220>
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<220>
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<222> (604)
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<220>
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<222> (626)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (653)

<223> n equals a,t,g, or c

<400> 588

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gaattcccgg gtcgaccac gcgtccgagg acgcgtgggg actgcttaga aatatagctg 120
aagtgatcac cacagccata aaattgttta agaaagattt atataatggt taaaaatctg 180
gaatcaagga ttttagctga aatcctttaa gagatattag agcaagtatt taattcaggt 240
attttcaagt tttaaaactt aacctgttta cctactaaaa ataaaatagc tagttttttt 300
ctgcatataa aagttcattg aaatgatatg cccttatttg caatactttt cccataaagt 360
tttaagtgtg aaagaattgt aatttactag atatgtttgg tatgggatat tttgtaggc 420
aagttttctt ttttcttctt aaattgcaat aggcttccaa aaagagtata attgnttcag 480
aacaaattaa ctcttgcat tatacgtctn ctttttctt tacagtatta gtaaaatgaa 540
aaantggaca ctttctgatt taacttcact aatgnaanta ctctctcaag gaagctttta 600
aaanttaaat taccatcaca caaccntttt atagtaaggc aacatttggt ttn 653
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<210> 589

<211> 625

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (398)

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<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

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<222> (521)
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<220>
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<222> (522)
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<220>
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<222> (525)
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<220>
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<222> (560)
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<220>
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<222> (562)
<223> n equals a,t,g, or c

<220>
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<222> (563)
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<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
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<222> (618)
<223> n equals a,t,g, or c

<400> 589

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atacagaccg tgaaagcggg gcctcacgat ccttctgacc ttttgggttt taagcaggag 120
gtgtcagaaa agttaccaca gggataactg gcttgcgggc gccaaagcgtt catagcgacg 180
tcgctttttg atccttcgat gtcggctctt cctatcattg tgaagcagaa ttcaccaagc 240
gttggattgt tcaccacac gagccctgtg cttttggtgt aaataatgta caatttgtgg 300
atgtcattga atctagagga ctttcccctt tttatatattg tattaacttt aacttattaa 360
aaanaaaaaa agaanaagaa aaacaattta taaaaaanan aaaaagcaac caaccccaac 420
aacaaaaaag aatggttttg tattggagaa gggatggtca gttaagcctg ctggcacacg 480
acggaatgga tctgggcccc gggaccactt tcatactacg nctnatctt tggataccca 540
gggaggggca accgtttcgn tnngggctgt acccagaagg tggaacggag tttggacaga 600
ctntccatta ggcgtggntc tttat 625

<210> 590
<211> 365
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (177)
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<220>
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<222> (205)
<223> n equals a,t,g, or c

<220>
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<222> (264)
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<220>
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<220>
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<222> (305)
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<220>
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<222> (341)
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<220>
<221> misc feature
<222> (346)
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<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 590

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aagaacctct natccttgca tgccaggcac tctttcaatc acttcagtga ccatttttcc 120
aaaattctga aacatccaca cttagggttt tctttgaatt tgggggtgcc ctccccncac 180
ccggcagcct tctgtgtcag ggggntacgg tcttgatata gacaccattt tttggacctt 240
ggggcagttt tgggattcta gctncagggg tacctgggtc ttaagggcaa ggtttgggan 300
ccggnacttt ttgcaaaacg tgggggcagt ttcaattttg nccctnaang aggccctaga 360
cgga 365

<210> 591

<211> 65

<212> DNA

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

<220>

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<222> (53)

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<220>

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<220>

<221> misc feature

<222> (56)

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<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<400> 591

gccctatagt gagtcgtatt acaattcact ggccgctcgtt ttacaacntc gtnannngga 60
aaacc 65

<210> 592

<211> 269

<212> DNA

<213> Homo sapiens

<220>

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<222> (8)

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<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

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<222> (123)

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<222> (127)

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<222> (129)

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<220>
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<222> (198)
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<220>
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<222> (212)
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<220>
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<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
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<222> (256)
<223> n equals a,t,g, or c

<220>
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<222> (267)
<223> n equals a,t,g, or c

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gtacaccgca atcatgtcta taatgtccta taacgnaggg gccgtaatgg ccatgaaagg 120
ggnaagnanc tntntggncc atcgctgcag anaggcgctt ngggaatcca ggcccagaat 180
ggtgaaccac gggacttnca gaaagatcct tncctatggg ntgaaccggt tgtnaatggg 240
tttgggccgg gnttgncaat taaggtnc 269

<210> 593
<211> 307
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

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<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (172)

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<220>

<221> misc feature

<222> (267)

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<220>

<221> misc feature

<222> (268)

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<220>

<221> misc feature

<222> (278)

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<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

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<400> 593

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aaagaatgta atttttatatt tctgaaatac agatttgagc tatcagacca acaaaccttc 120
cccctggaaa agtgagcagc aacgtaaaaa cgtatgtgan agcctctctt gnaatttcta 180
gttagcaatc ttaaggctct ttaaggtttt ctccaatatt aaaaaatata accaaagaag 240
tcttgctatg ttaaaaaaca acaacannaa acaaacanca gnaaaaaaatt taataaaaaa 300
ancgggg                                     307
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<210> 594

<211> 128

<212> DNA

<213> Homo sapiens

<220>

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<220>
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<222> (72)
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<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<400> 594
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ttgctgatac cntatgaatg aaacatgggc tgnattact gcaatcactg tgcctatcgg 120
canntaat 128

<210> 595
<211> 598
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
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<222> (252)
<223> n equals a,t,g, or c

<220>
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<222> (279)
<223> n equals a,t,g, or c

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<220>
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<222> (306)
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<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
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<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
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<222> (407)
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<220>
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<220>

<221> misc feature

<222> (552)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (562)

<223> n equals a,t,g, or c

<220>

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<222> (591)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (593)

<223> n equals a,t,g, or c

<400> 595

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gtgggtttttg gctcttttcag agaggtctca ggttctttcc atgcagactc ctcagatctg 60
aacacagttt agtgctttac atgctgtgct ctttgaagag atttcaacaa gaatattgta 120
tgttaaagca tcagagatgg taatctacag ctcacctctg aaggcaaata taagctggga 180
aaaaagtttt gatgaaattc ttgaagttca tggngatcag tgcaattgac cttntncctc 240
actcctgccca gntgaaaatg gattttttaa ttatactgna gctgatgaaa ctcttgattt 300
tgnagntaat ttattaagtc tgggatgnag aacttcaaga agtaagagct aagttctaag 360
ntcatgnttg gaaattaata cttnatattg ngctgggcta ttttganttt gggggggaat 420
cagcantatt cttcagaagg ggacctggtt tcttcaaggg aaagaaacac tcttattcca 480
aactacagaa taatggggta aacatgctaa ataggtctat aaggaaacca aatactggat 540
tatctcggag gntattggtt anaagggcct tgggtaaaaa taagggtaaa nanaaagg 598
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<210> 596

<211> 465

<212> DNA

<213> Homo sapiens

<220>

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<222> (11)

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<220>

<221> misc feature

<222> (423)
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<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<400> 596
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atttgtggct gtggattttt ttaactgcta gtagtggaat actggaaaag cttcatttct 120
gaagatgaat ttatttttta aaaaatacat gcacactcaa aacttttagc tttagatcaca 180
agtggaacaaa tttctgaaac caaaggcaac taagttgctg tgtagctct tgctggattt 240
tgagcctagg tcctactgtc tgccagtact catgtgagtt gtatgtgcc ccagtgtctac 300
atacgagggt atgcgtaagt gtgtatgctt gttttaaaca aacactcaac gtacatatgt 360
acataatcta cacatatatta tatcacatat ctagctttat tactatagac tatacgaatt 420
ggnggtaaca tgaaatgnta cctttttacag actgttttta aaaaan 465

<210> 597
<211> 320
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (159)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (175)

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<220>

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<222> (187)

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<220>

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<222> (236)

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<220>

<221> misc feature

<222> (240)

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<220>

<221> misc feature

<222> (259)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (319)

<223> n equals a,t,g, or c

<400> 597

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ccaaaaagga ccaactggct tctgtgcaact agcctgtnaa ttannttgct tagtatgggt 120
ctnagatctt gnacagtata tttaaactg taaatatgnt tgtgccttaa aaggngagaa 180
gaaagtntag atagttaaaa gactgcagct gctggaagtt ctgagccggg caagtngtgn 240
ggggctgttg ggacacttnc ttgtggggcc cggggtaatc agggcagcct ttcatagggc 300
ggggtccatg tgntggcant 320

<210> 598

<211> 688

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (507)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (582)

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<220>

<221> misc feature

<222> (584)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (604)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (637)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (642)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (650)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (673)

<223> n equals a,t,g, or c

<400> 598

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aaaattataa ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat 180
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta 240
cctaagaaca gctaaaagag cacaccgctc tatgtagcaa aatagtggga agatttatag 300
gtagaggcga caaacctacc gagcctgggtg atagctgggtt gtncaagata gaatcttagt 360
tcaactttaa atttgcccac agaaccctct aaatcccctt gtaaatttaa ctgttagtcc 420
aaagaggaac agctctttgg acactaggaa aaaacctttg tagagagagt naaaaattta 480
acaccccata gtaggcctaa aagcagncac caattaaaga aagcgttcaa gcttcaacac 540
ccacttccta aaaaattcca aacatataac tggaacttcc tnanacccaa ttgggaccaa 600
tttntcacc ctattagaaa gaaactaatg gttagtntta angtaaccan tgaaaaacat 660
tttccttcc ggnattaaag ccctggcg 688
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<210> 599

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (613)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (657)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (707)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (727)

<223> n equals a,t,g, or c

<400> 599

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tagaaattga aacctggcgc aatagatata gtaccgcaag ggaaagatga aaaattataa 120
ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat taactagaaa 180
taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta cctaagaaca 240
gctaaaagag cacaccogtc tatgtagcaa aatagtggga agatttatag gtagaggcga 300
caaacctacc gagcctgggtg atagtgggtt gtccaagata gaatcttagt tcaactttaa 360
atttgcccac agaaccctct aaatcccctt gttaaatttaa ctgttagtcc aaagaggaac 420
agctctttgg acactaggaa aaaaccttgt agagagagta aaaaatttaa caccatagtc 480
aggcctaaaa gcagccacca attaagaaag cgttcaagct caacaccac tacctaaaaa 540
atnccaaaca tataactgac tccttacacc caaattggac ccaatctatc acccctatag 600
aaagaactaa tgntagtatt aagtaaccat gaaaaacat tcttcctccg gattaanccc 660
tgcgtcagga ttaaaacccc tgaactggcc atttaacagg cccaatntct taccattcaa 720
cccaccnagg tcattattac ccttactt 748
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<210> 600

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (80)

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<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (193)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
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<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

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ccccgggaaa aaccgcttgn atgcncctaaa nctngtgga ctttgcccca gcagtgatgc 120
ctgccaggaa aggggttgaac cgcgaacctt gacgaagggg gggcccgggtt acccaattgc 180
ggccctatag tgnagtngtg attnacaatt gcaactgggcc gtcgtttttg acaagttcgt 240
gatgtttggn nat 253

<210> 601
<211> 524
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
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<220>
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<222> (325)
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<220>
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<222> (338)
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<220>
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<220>
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 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (494)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (500)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (507)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (524)
 <223> n equals a,t,g, or c

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 gtccacgtcg ctacgagtca gcccattccat ccatgggtac cacttcgaca cagcctctcg 120
 taagaaagcc gtgggcaaca tctttgaaaa cacagaccaa gaatcactag aaagggtctt 180
 cagaaactct ggagacaaga aagcagagga gagagccaag atcatttttg ccatagatca 240
 agatgtggag gagaaaacgc gtgccctgat ggccttgaan gaagaggaca aaagacaagc 300
 ttttccattt ctgaaactgc ggaanttttc cttcaaantt cattgaagag aagagggttg 360
 ttaaggacgt tttccaggat tggacattca aagaccagtg ggtttttggg nttttacagt 420
 tgcagctttg tttttacctt acagtttttt tttttcaggt tccagggttg aagggcccgn 480
 ttgaaaggcc cggnttacan ttgtttnaag gttcccacat tttt 524

<210> 602
 <211> 397
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (309)
 <223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<400> 602
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gccgcgcggg cgggctgagt gagcaagaca agacactcaa gaagagcgag ctgcgcctgg 120
gtcccggcca ggcttgacag cagaggcggg cggcagacgg tgcccggcgg aatctcctga 180
gctccgcccgc ccagctctgg tgccagcgcc cagtggccgc cgcttcgaaa gtgactgggtg 240
cctcgcccgc tcctcttcgg tgccgggacca tgaagtgctg ccgtcgggtg tgctgaaact 300
ctttctggnt tcattctctt cggcactggg tactggcgaa aancctggaa acggctttcg 360
ganaaggcta actgctggna acaagnaaac cggaacc 397

<210> 603
<211> 76
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<400> 603
tcgacccacg cgcccgccca cgcgtccggt gnttagtatt cccgncctgt gggcngccnc 60
agtntcccct cctaag 76

<210> 604
<211> 127
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
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<222> (127)

<223> n equals a,t,g, or c

<400> 604

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ggagccntag tccgctgcac ggagactgtg gtgtnggnct tgacgagggtg ggtcagtga 120
ctcctnn 127

<210> 605

<211> 138

<212> DNA

<213> Homo sapiens

<220>

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<222> (6)

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<222> (15)

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<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (68)

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<220>

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<222> (119)

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<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<400> 605

tttaanaaaaa ggggnccctc cagcccagtg gcggangttc tagaactact ggatcccccg 60
ggttgcanga attcggcacg agagggancc gtgggccggg cgcgccggtt cccggcaent 120
gtctcggcac gtgncanc 138

<210> 606

<211> 102

<212> DNA

<213> Homo sapiens

<220>

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<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

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<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<400> 606

ctcttgaaan agacgtgnag ctgctcctac ccaccactcc nggctgagcc ttgcctgata 60
cagcagcccg gaggcaccac ncgcnaccg agtctcacc tc 102

<210> 607

<211> 80

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (56)
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<220>
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<222> (61)
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<220>
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<220>
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<222> (78)
<223> n equals a,t,g, or c

<400> 607
cacaggcatg ctcataagga aagggttaaaa aaaaaaaaaa aaaantcgag ggggggncgcg 60
naaaccaaatt tngcccccnaa 80

<210> 608
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
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<220>

<221> misc feature

<222> (373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<400> 608

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ggactcgggg cgctggaggg aagtttcgtt cttcggagaa acagaacgcg ctcgaggggg 120
caccgtgggg cnaaggnnnc actcggttgc ggcggcagga gtgagggaca gtccccgat 180
ttcctgctcc ctggggccct ggggacgttc cggccaccgg agcgactgtc acgccgacgg 240
ggatcaccgg cgcgagttgg ggggtcggaa agcgcctcct cccgccggtc gcggtccgct 300
aaccacttct cgcttgccctg ttccgctcct taagagcaac tggtgcccctt ttgaagcagn 360
ataagtgtgc tgnqctngaa gcttanccgg ttgnttgt 398
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<210> 609

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

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<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<400> 609

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taataggtaa tgcaggtatg ttcagggttaa gccacaatg ttttgcattt ttatgcttat 120
tttctgtcaa cactaatgaa gtcaacattg cctgaatgtc tgaataatga aacacatccc 180
tgtttaaaag tatgttaactg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaaaa 240
aaaaaaaaaa aaaaaaaaaa nncccnccggg gggnc 275
```

<210> 610

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (429)

<223> n equals a,t,g, or c

<400> 610

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tctcctcagc cgagaatgac ttcgccacc ggatccagga ggtggaagag gatggcccca 120
gcagctgctc ggaggacgat tacagtgagc tgctgcagga gatcacagac aacctgacga 180
ggaaggagat tcagatagag aagatccatt tggacacgct ctccttcatg gaggagctgc 240
ctggagagaa ggaccttgcc cacgtggtag agatcttatg actttggaac cagcgttcaa 300
gacggaggac ctgcttggca acgtttttnt gagtttccaa gaggaagggg tttcaagntt 360
caattgggtt ggatgataat tcaaggaatt nggcantttt tccctgcccg ggccttaatt 420
tncggaagnc ctg 433
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<210> 611

<211> 497

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (481)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (487)

<223> n equals a,t,g, or c

<400> 611

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tgctggagca gccggagtcc tccctgggtg tggaggggct ggtgttcctg gcgtgcctgg 120
ggcaattcct ggaaaaccac cccacactgg gaatagccac cttgcccttg tagaatccat 180
ccgcccaccc gtccattcat ccacgggtcc gtccatccat gtccccagtt gaccgcccgg 240
caccactagc tggtggggtg caccaccat caacctggtt gacctgtcat ggccgcctgt 300
gccctgcctc caaccccatc ctaaactccc ccaaggcgtn cggggctgtg cagactgggg 360
tgccaagcat cttctcccca accgggggtg tcccacatgc agtantgtat aacccccatt 420
enttctcgg tccaatgaac ttcagagcag ttccattent gcccggccat cttttgtgtc 480
ngctgtnaaa ataaata 497
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<211> 503

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ccctgaagnt ttaggggcct ntgcctgccca ctccanaccc tntttntgaa gggcccaagt 180

nactcactat gnaaagaagt cattccctct ngttagtgtt aaanccagtt atgggtcttc 240
ctggaatggn ggataatcca cacgnggnta aatccaaggg ttgnttnatn tgggttcctc 300
cctccctcc ccttccacca gggnttcctt gacagnggcc acagggngac ttttnagggg 360
ttttaggtca ttgnggggat gggtnccngg aaatgggncc agatctgnat tgggggcccc 420
ccntggttgt cccatggggg tnttagnggn ttttaggggn tngtgggggt aaaggggttt 480
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caagtggggt ggccttgtg cacagagctn caggtgacct ctggagagac atgggcattn 120
acatggaaag ctaaaacgga agcttaagct tntattactc aacanaaact tctgtgagac 180
naaangacaa gccatgt 197

<210> 614
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<400> 614

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acataaataa atgaagtaag ccatactgat ttaatttatt ggatggttatt ttccctaaga 120
cctgaaaatg aacatagtat gctagttatt tttcagtgtt agccttttac tttcctcaca 180
caatttggaa tcatataata taggtacttt gtccctgatt aaataatgtg acggatagaa 240
tgcatacaagt gtttattatg aaaagagtgg aaaagtatat agcttttagcc aaagggtgtg 300
cccatacnaag aaatgagcga tatatagaat agtgtgggca ttctcctgta agtggagtga 360
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<212> DNA

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cggntccggg aattcccggg gtcgaccac gcgntccgga ataattggaat ataatatgtc 120
ttcataatat aacaacacta ntncnctaat ngtaagatta anttaggcag tcttctacca 180
aatgtggttaa tgnngattgc ctcaaaattg tgggtccacat aatccacnct catcttgcaa 240
agcgctattt cangcacatc attggantac ag 272

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attttcggtg ttgntccctt gcttaacngg caaagacctg 160

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ctggcctctg ctttctcctt taattgtaaa gtagaagcta taaagcagta tttttcttga 120
caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaggga aaaaaaaaaa aaaaaaaaaan 180
ggggggggnnn cccngaaaaa aaac 205

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tgtaagaata acttgcgccca ttagggcccat cggaaaggcc caccaccctt taggaagatt 180
actggctggt tatagaaggc ccgtgtatat cctatgaaga angctggctc tcaacttccc 240
ccccagcctt ttaaaagaaa acatttgcta catcgagccg ttctaggtgt aaagagggtg 300
ttgacttatg atagagttag aaaatcacac atccttgtaa attnccatt tggtttaaaa 360
aaaaaaaaaa aaaactcgag gggggggccc gggtagccaa tttgncccta aaaggagnc 420
ggnattanaa ttcactggcc ggcgntttta 450

<210> 619
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tnccagccct ggctcaactc tgaagaagga tcttgctaca gaaggagccc ttgggctccc 180
tttctctttg gatagcagtt ataaatgccc ttgttcccaa taaaactggg cagatgggaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaacccc gggggggggnc ccngncccn tttg 294

<210> 620
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ggcantt 127

<210> 621
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ctcctccatc cttcattctt caccctccat tggatcctca agttttaatg aattccaatt 180
atacctttaca tcagcaagtt aaaaaaagta ctttaaaata aagcaaaggg agactggtgc 240
tcaaccatca ggaaacagtt gtcagaagac atcattgggt ctgtgtttcc tacggaaatn 300
agaaacgata aatattgcac tgaatgtttg tggtttgag tccctgaata ataaagangc 360
aatatatttg cagaaagtcn catagggttt tttaatgcag aattttgtca gaagacaatg 420
gcgctgcatg tttttctttg aattgcaa atntcattgct aaagantttt tttaagatgg 480
gcatnttgct ttgaaaaaga aanatt 507
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<210> 623

<211> 340

<212> DNA

<213> Homo sapiens

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<222> (302)

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<222> (308)

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gcaaattact tctaaagaat catcagtgtg tagattagaa gtgctcatta cctgcaactt 120
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